Publicity

CHEMIST AND DRUGGIST

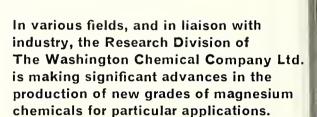
For Retailer, Wholesaler and Manufacturer

AUGUST 18 1962



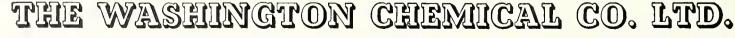
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AUGUST 18, 1962

No. 4305

N.P.U. Referendum

LARGE MAJORITY FOR STATUS OUO

IN the referendum carried out by the National Pharmaceutical Union Executive Committee, cards were sent to 8,650 headquarter pharmacies owned by private chemist-contractors in England and Wales. The number of cards returned was 5,537, representing about 64 per cent. of the total. The results of the referendum are as follows (percentages of total

returned are given in parentheses):—

No. voting for "A" (i.e. maintenance of present arrange-ments for appointment of members of Central N.H.S. ... 4,182 (75.5) Committee) No. voting for "B" (i.e. replacement of private representatives in part by nomi-... 1,259 nees of Society) ... (22.7)No. of cards bearing alternative suggestions or comments (0.9)No. of cards invalid because both or neither of "A" and "B" deleted (0.9)

Total number of cards returned 5,537 (100-0)

The results are to be considered at the next meeting of the N.P.U. Executive Committee on September 19. Discussions which were in progress with representatives of the Council of the Pharmaceutical Society before the referendum will continue and a statement will be made in due course by the N.P.U. Executive Committee.

Safety of Aureomycin

COMPANY'S "CATEGORIC REASSURANCE"

LETTERS are being sent individually to 50,000 doctors in general practice and in hospitals by the Lederle Laboratories division of Cyanamid of Great Britain, Ltd., giving "a categoric reassurance" that Aureomycin has caused no abnormalities in babies. The company's action arises from reports that have appeared in Britain and in Europe hat babies treated with Aureomycin a New York hospital suffered a 40 per cent. reduction of bone growth. Our medical department," said Mr. O. N. Williams (a director), "contacted in New York Dr. Sidney Q. Cohalan senior author of the scientific paper on which the misleading accounts that have appeared were based). He told is that the paper definitely stated that here were no abnormalities in the inants studied. The paper concerned was

presented at the American Pediatric Society's annual meeting in May this year." It is now known that the paper in question referred to tetracycline, not Aureomycin, and reported an extremely slight, but reversible reduction in the terminal bone growth of premature infants receiving that drug.

Liverpool Conference

REDUCED RAIL FARES

THE honorary general secretaries of the British Pharmaceutical Conference have been informed by British Railways that a scheme has recently been introduced whereby members and their families, attending a conference, can obtain return rail tickets (first and second class) at the price of single fare and a half. In order to obtain the concession it is necessary to present a special voucher at the booking office. Members wishing to take advantage of the concession should apply for vouchers, if possible before August 24. to the honorary general secretaries, 17 Bloomsbury Square, London, W.C.1, stating class of travel and the number of persons for whom tickets will be required.

A Drug Toxicity Register

NOTIFICATIONS FROM PRACTITIONERS

THE epidemic observation unit at Peaslake, Surrey, of the College of General Practitioners has opened a register of toxicity and side-effects of new and established drugs. In a letter to the British Medical Journal of August 11 (p. 408), Dr. G. I. Watson (director of the unit) invites family doctors to report clinical and therapeutic details of instances in which it is suspected that a therapeutic agent has affected a patient (or offspring) adversely. Dr. Watson adds that if, at some future



YOUTHFUL SCIENTISTS: A party of sixteen students attending the fourth London International Youth Science Fortnight under the auspices of Worldfriends and the British Association for the Advancement of Science, visited the pharmaceutical plant of Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, on July 25. The students were some of the 470 chosen from twenty-eight different countries, and included fourteen from the United States, under the leadership of Dr. Millard Harmon. One of the American Students (Mr. Carl M. Wamser) received an award from Merck Sharp & Dohme International to assist him in attending.

date, the collection of such reports is organised on an inter-professional basis between doctors and pharmacists, the information in the College register will be passed on to the national body con-

Ouest for Swiss Trade

A "BRITISH FORTNIGHT" AND FAIR

THE success of the Stockholm Fair has encouraged the Federation of British Industries and Board of Trade to try a similar "crash" programme on another E.F.T.A. country during the next twelve months. Switzerland has been chosen as the country having the next highest standard of living in Europe after Sweden. Swiss industry is unable to service fully the country's home market, or its requirements for materials, components and equipment. British exports to Switzerland in 1961 represented only 6 per cent. of Swiss imports, higher totals being achieved by Germany, France, Italy, and the United States. The programme beints in October with a British Fortnight in Geneva, and ends in Zurich in September 1963 with a British Fortnight (with showings of British goods in the shops) and an industrial fair for which a new pavilion is being built. The fair is expected to pay for itself, but the Board of Trade is helping to finance the fort-

1963 Conference Officers

PROPOSALS BY EXECUTIVE COMMITTEE

THE Executive Committee of the British Pharmaceutical Conference has proposed the following for approval at the annual meeting in Liverpool as officers of the conference for 1962-63: Chairman, H. G. Rolfe; Treasurer, J. M. Rowson; General Secretaries, E. F. Hersant and D. Train. The following have been nominated for membership

of the Executive Committee for 1962-63: A. H. Beckett, K. R. Capper, D. W. Hudson, E. Shotton, R. E. Stuckey, G. Sykes. Subject to the agreement of the annual meeting, the above-mentioned persons, together with the ex-officio members in accordance with the Rules, will form the Executive Committee for 1962-63.

Retail Sales

BOARD OF TRADE FIGURES

RECENTLY issued Board of Trade statistics show that sales of chemists' goods by independent retailers in June were 8.7 per cent. higher than in May and 5 per cent, higher than in June 1961. Multiple retailers' sales were 16.9 per cent, higher in June than in May and 10.4 per cent. higher than in June Sales by Co-operative societies were 0.8 per cent, higher in June than in May and 1.7 per cent. higher than in June 1961. The figures do not allow for receipts under the National Health Ser-

Sulphuric Acid

SECOND QUARTER PRODUCTION

PRODUCTION of sulphuric acid by members of the National Sulphuric Acid Association, Ltd., during the second quarter was 786,541 tons, calculated as 100 per cent. H₂SO₄. The quantity sold during the period was 683,287 tons. All figures exclude Government

Phthalic Anhydride

ANTI-DUMPING DUTIES CONSIDERED

THE Board of Trade are considering an application for the imposition under the Customs Duties (Dumping and Subsidics) Act 1957 of anti-dumping duties on phthalic anhydride imported from

PURCHASE TAX-FREE DRUGS

A new list of exemptions

THE Commissioners of Customs and Excise have, under Section 6(4) of the Finance Act, 1962, made a Direction entitled the Purchase Tax (No. 1) Direction, which temporarily exempts further essential drugs and medicines from tax. The effect of the Direction, which is operative from August 13, is to make the following additions and extensions to the Schedule to the Purchase Tax (No. 2) Order, 1961. The names of the corresponding proprictary products are given in parentheses. The Treasury will, in due course, be asked to make an Order which will give permanent statutory effect to this Direction.

The additions

HEAD I

Aerosol sprays prepared for application to the skin as a counter-irritant and analgesic, whose active ingredients consist solely of one or more chlorofluoro-hydrocarbons (Coolspray, Skefron, P.R. spray).

HEAD II

Activated magnesium aluminium silicates with pectin, whether or not mixed with neomycin sulphate (Atasorb, Atasorb

HEAD III

Amitryptiline and salts thereof (Tryptizol, Laroxyl, Saroten).
Anileridine and salts thereof (Leritin).

Benzilonium bromide (Portyn).

Dextropropoxyphene and salts thereof, whether or not mixed with either or both of the following substances, that is to say, acetylsalicylic acid and phenacetin (Doloxene, Doloxene compound).

1-(3:5-Dihydroxyphenyl)-2-isopropylaminoethanol and salts thereof.

Ethchlorvynol (Placidyl, Serenesil, Arvynol).

5-Fluorouracil.

Mepyramine and salts thereof, mixed with paracetamol (Triogesic).

Pipazethate and salts thereof (Selvigon).

The extensions

HEAD III

In the entry relating to "Any antimicrobial substance etc." the insertion in paragraph (d) after "that is to say" of cobalt salts.'

HEAD III

In the entry relating to "Cortisone and analogous steroid hormones etc." the in-sertion after "domiphen bromide" of gamma benzine hexachloride.'

Austria, Belgium and Denmark. application may be extended to includ imports of that product from othe countries at prices which appear to b dumped or subsidised. Any representa tions which interested parties may wis to make in connection with this appl cation should be submitted in writin not later than August 31, to the Tari and Import Policy Division, Board of Trade, Room 3134, Horse Guards Ave nue, London, S.W.1.

SCOTTISH NEWS

Project Abandoned

AID INSUFFICIENT SAYS COMPANY

THE British Oxygen Co., Ltd., is not to proceed with a factory proposed a Dumbarton. The board stated recently that it was found that the financia aid obtainable was small in comparison with the costs involved and not enough to make the proposal economic. Plan arc to be prepared for the regrouping of equipment manufacture at Edmontor and other present sites to take advan tage of the additional space which is available.

IRISH BREVITIES

THE NORTH

FIREMEN had to use breathing apparatus when they tackled a fire at the pharmacy of Desmond McCafferty, Ltd., 63 Strand Road, Londonderry, North-ern Ireland, on August 6. The dispensary was extensively damaged.

THE REPUBLIC

PHOTOGRAPHIC equipment valued at £423 was stolen from the pharmacy of Mr. Patrick Currivan, M.P.S.I., 53 Keeper Road, Crumlin, Dublin, on August 4. The thieves, using a small car, removed a protective steel grille and smashed the shop window.

OVERSEAS NEWS

SOUTH AFRICA

Pharmacist Shortage

THE secretary of the Pharmaceutical Society of South Africa (Mr. G. J. Van Fourie) stated recently that there was a growing shortage of pharmacists in the Republic. He added that, despite increasing training facilities, the deficiency was becoming more acute at the rate of thirty a year. The position was worst in country districts, where excessive locum fees had to be paid if pharmacists wanted to absent themselves from their businesses.

UNITED STATES

Fewer New Drugs

DURING 1961 the number of pro-prietary pharmaceuticals introduced on to the American market totalled 506-30 per cent. less than in the previous year—according to statistics compiled by *Pharmindex* reference service. The decline was greater among manufac-turers having full national distribution for their drugs than for regional companies; nearly a quarter of those in the former group did not market a new product during the year. Dermatological preparations and putitional tological preparations and nutritional and vitamin products together accounted for 27 per cent. of new items.

NEWS IN BRIEF

THE Folding Paper Box Association of America has decided to accept entries or its 1963 carton competition from boxmakers anywhere in the world.

A NEW office of the Export Credits Guarantee department has been opened t Clements House (Wood Street enrance), 14 Gresham Street, London, E.C.2.

Scottish Executive Councils are disributing a revised list of examples of prescriptions for which (in Scotland) one or two or more 2s, charges are payable.

PROVISIONAL Board of Trade estinates indicate that the seasonally adusted retail sales index for July was 19-120 compared with 118 in June and 119 in May.

THE August 10 issue of the Medical Letter, published by Consumers' Association, Ltd., critically reviews glutethimide and novobiocin and discusses the uses of small portable oxygen equipment outside hospitals.

An appeal by United Kingdom Committee for the World Health Organsation for funds to support the Malaria Eradication Campaign is being launched by Lady Isobel Barnett in a special B.B.C. television programme on August 9

THE main producers of arsenic in Europe have formed a development committee at 26 rue La Fayette, Paris, De. The committee is to act as a centre of information for arsenic, and to stimulate research and development for arsenic and its compounds.

THE Customs and Excise have issued the Import Duty Drawbacks (Consolidation) Order 1962 effective from August 11, which consolidates existing provisions relating to the allowance of drawbacks of import duty on the exportation of certain specified imported goods.

NOTTINGHAM loses its all-night chemst service at the end of August, when the Wheeler Gate branch of Boots, Ltd., is being transferred to new premises at the corner of Friar Lane. Business after 11 p.m. is stated by the company to be insufficient to make it worth while keeping the shop open between that time and 8 a.m.

EDUCATIONAL courses on the principles and practice of packaging arc being held by the Institute of Packaging, in collaboration with local education authorities, in the following twelve centres, commencing in September: Birmingham, Coventry, Edinburgh, High Wycombe, Leeds, Leicester, Liverpool, London, Manchester, Northampton, Nottingham and Sheffield. Further details may be obtained from the Education Officer, The Institute of Packaging, Malcolm House, Empire Way, Wembley, Middlesex.

SPORT

Golf.—LIVERPOOL CHEMISTS' GOLFING SOCIETY. Invitation meeting at Childwall golf club on July 18. Results: Evans cup and prize, 1, P. N. Woodhead and Dr. S. Sharpe, 68. Aspro cup and prize, 1, C. S. Cullen and E. V. Eadesforth, 59. Liverpool Chemists' Golfing Society prize, 1, D. Ross and H. Naylor, 70.

TOPICAL REFLECTIONS

By Xrayser

New drugs

The sensational reports of the effects of thalidomide have been put into proper perspective in your thoughtful leader on the lessons to be drawn from the tragedy (p. 145). It is not the first time in the history of drugs that unsuspected side effects have caused a revaluation to be made, though not in all cases was the reason so tragically brought home as in the case of thalidomide. It is only in the light of experience that dangers manifest themselves. Many of the drugs now placed in special restricted schedules were originally thought to be perfectly innocent, and it takes some little time to discover, for example, that an apparently harmless preparation possesses properties of addiction. The history of poisons law abounds with such discoveries, though, fortunately, not all produced the physical manifestations that have caused such concern. But, of course, not even the restrictions imposed by poisons legislation could prevent what took place, with the drug prescribed in good faith by a physician. While no one would wish to place any curb on research and progress, it is obvious that public opinion will demand safeguards which the industry will be equally anxious to provide. Meanwhile, pharmacists in general practice are very conscious of the flow of new preparations, with little evidence of reluctance on the part of physicians to try them out. We are at a stage of development in which the drugs of established use and known effect are falling into disuse, and the modern replacements are still in their infancy. The ultimate effects of many of them are quite unpredictable. The recent calamity should result in a cautious approach to any claims made with particular attention being paid to any side effects that may be mentioned—sometimes rather casually in the literature. There may be, as you suggest, disadvantages in the Government financing testing machinery and thereby cramping the freedom and independence of the manufacturer, but unbridled competition and the need for getting in first in the market is not itself immune from danger. In the case of the effects of thalidomide in pregnancy, the period of gestation put a time limit on this discovery. Other drugs may take longer to prove themselves for good or ill.

Five days

I note that the president of the Irish Drug Association referred, in his annual address, to the establishment of a five-day week in the manufacturing and wholesale pharmaceutical trades, drawing attention to the fact that the Association had put forward suggestions (p. 153) for a rota system to be operated. In all matters of this kind, it is necessary to offer attractive conditions to secure labour, and it seems that the first question asked by prospective employees relates to Saturday working. Nevertheless, in the matter of the supply of drugs, I well appreciate the president's concern, for it is no longer a question of the tried favourites, which could be found in adequate quantity amongst the shop rounds or in the blue or pink ointment jars. In those simpler days the manufacturing houses could have closed for a week without creating panic in retail circles. Not so today, with the bewildering variety of new products, produced in such profusion that one finds that the first five minutes of the day produced demand for three or more hitherto uncalled-for medicines. It may be possible to overcome the difficulties the president referred to by a rota of skeleton proportions.

Flavours

The interesting series of articles entitled "The Drug and the Route" are of the greatest value. The question of the flavouring of mixtures and emulsions has exercised the combined skills of the confectioner and the artist for all time, and the beautifully produced preparations of today bear evidence of their success. It may be that early introduction to the rasp-berry-flavoured antibiotic mixtures will tend to blur the child's full appreciation of ice-cream sundaes in later life, but that is not the problem of the formulator of elegant medicines for infants. We have travelled far in synthetic flavours since the time when syrups of violets, damask roses, peach blossom or cowslip flowers were found of value for the purpose.

Council's Statement on Health Service

PHARMACEUTICAL SOCIETY SHOULD HAVE MORE INFLUENCE

AT the Branch Representatives' meetings in 1961 and 1962, at a special general meeting held on April 29, 1962, and at the annual general meeting in 1962, resolutions were passed which may be summarised as urging that the Society should deal with all matters affecting the interests of pharmacy either itself or through another body to be set up by it, with specific reference to establishing and enforcing a scale of professional fees, should incorporate other pharmaceutical organisations and should find ways of overcoming the effect of the Jenkin judgment or any other legal impediment to undertaking action on the above lines.

While these resolutions and the discussions which took place in connection with them do not reveal a clear or coherent pattern of principle or policy, they are evidence of a strong desire among the membership for unity among pharmacists and that the Society should be a channel through which their aspirations, economic as well as professional, can find expression and promotion. This attitude should be seen against the background of the development of sectional organisations which were set up because it was considered that the Society was not constitutionally able or was otherwise unsuited to deal with special interests arising from the separation of pharmaceutical practice into different branches and from the growth of the employee element.

Conflicting Interests

There was undoubtedly, and still is, a basis for this development. The object relating to protection in the original Royal Charter was limited to those carrying on businesses as chemists and druggists. Moreover pharmacists in one branch of work may have conflicting interests with those in another branch or be involved in matters which do not concern them purely as pharmacists. Nor do employers and employees always see eye to eye. In any case, no one can prevent a group of pharmacists from forming a separate organisation if they wish to do so. For this reason and because membership of organisations representing interests in pharmacy is not necessarily limited to pharmacists, there can be no question of the Society attempting to monopolise the field. Rather it should co-operate with other bodies where there is common ground to cultivate, a point which will be dealt with later.

While recognising that sectional organisations have their part to play evidence has been accumulating, and it is now clear, that these organisations either separately or in co-ordination with the Society are considered by many pharmacists to be insufficient or not entirely suitable to achieve the necessary degree of common policy or to have insufficient authority to back it. They are looking to the Society and the common bond of qualification and membership as the basis for reconciling any sectional conflicts among them in

the interests of pharmacists as a whole. The Council welcome this emphasis on the importance of the qualifications as the predominant factor in the formulation of pharmaceutical policy and the desire that the Society should be concerned with all matters where the value of the qualification is involved. This is consistent with the Society's powers and objects and marks a departure from the point of view which has prevailed among pharmacists for many years that the Society should leave economic matters to the sectional organisations.

The Jenkin Judgment

Much has been said about reversing the Jenkin judgment, which would have the effect of enabling the Society to act as a trade union, but there is apparently no support for the Society to be put in the position of so acting, even among those who have advocated this step. In any case it appears that legislation would be needed to reverse the judgment and there is no likelihood of this. With one possible exception, it seems clear that all the activities which members desire the Society to engage in can be undertaken without any change in the Society's constitution and without prejudice to the position and work of other organisations. That exception concerns the enforcement of a scale of professional fees. The argument has been used that other professional bodies have scales of fees which are obligatory on their members. The only one to which this applies so far as the Council are aware is the Law Society. In this case the fees are maximum fees and are fixed by the Master of the Rolls under statute. A comparable situation does not exist in pharmacy.

In considering the practical steps which should be taken to bring about greater unity among pharmaceutical interests, the Council see the matter as involving (a) the external relations, and (b) the internal relations, of the Society. As to the Society's external relations, the Council have already approached other bodies and a co-ordinating committee for pharmacy has been established comprising representatives of the following bodies: - the Association of the British Pharmaceutical Industry, the Company Chemists' Association, Ltd., the Co-operative Union, Ltd., the Guild of Public Pharmacists the National Pharmaceutical Union. These bodies represent all or a substantial proportion of the persons or bodies corporate whose interests they exist to serve and the Committee will discuss and make recommendations on matters with which all the bodies are concerned.

Apart from this wide-ranging contact, the Council consider that the National Health Service is a sphere in which it is particularly important that the Society should be in a position to make its influence felt to a greater extent than hitherto. There are two ways in which the Society could extend its influence in this connection. One is to represent the interests of pharmacy as such on the Central N.H.S. (Chemist Contractors) Committee, and the other is to perform a co-ordinating rôle in providing the opportunity for pharmacists engaged in the various branches of pharmacy in the National Health Service and occupying different positions in them to discuss their points of view and work out a common policy. With regard to the first point, the Council much appreciate the contact established between the Society and the Contrac-Committee whereby the Secretary and Registrar attends meetings of the Committee as an observer, but this is not the same as having representation on the Committee and the Council are investigating the possibility of such an arrangement being made.

With regard to the second point, this is one aspect of the internal relations of the Society which should be so organised as to enable the Society to deal effectively with all matters in which the interests of pharmacists as qualified persons are involved. It is idle to pretend that the factors which gave rise to sectional organisations can be ignored in the formulation of policy within the Society. It is important to recognise that there may be different points of view according to occupational function and these have to be accommodated as far as possible within a national policy.

Branch Subcommittees

To assist the process of accommodation the Council consider that arrangements should be made in each Branch for the ventilation and discussion of these points of view and their co-ordination through a subcommittee of the Committee of the Branch. In this way, for example, it would be possible for Pharmaceutical Committees to sound opinion on N.H.S. matters, though to make this opinion authoritative Branch boundaries would need to follow those of one or more counties or county boroughs, or be grouped within a county or county borough area according to local circumstances. This raises a question which is of wider between than contact significance branches and Pharmaceutical Committees. There is much to be said for the boundaries of local and regional authorities and organisations being coincident and this is a matter which the Council have under consideration in connection with improvements in the Branch system.

N.H.S. STATISTICS

In Bury during 1961, seventeen chemists and eleven appliance suppliers supplied pharmaceutical services at a total cost of £105,936.

In SOUTHEND during 1961, fifty chemist contractors provided dispensing services at 63 pharmacies and were paid £258,724 for dispensing and £1,171 for rota duties.

COST OF ADVERTISING DRUGS

Public Accounts Committee criticises the pharmaceutical industry

EXPENDITURE by the pharmaceutical industry on advertising and sales promotion is criticised by the Public Accounts Committee in its Third Report, session 61-62 (H.M. Stationery

Office, price 3s.).

The Ministry of Health had furnished the Committee with information pro-vided by the Association of the British Pharmaceutical Industry about the cost of advertising and sales promotion in 1961, which showed that, on sales amounting to about £67 millions, the cost of advertising amounted to 9.78 per cent. or about £6½ millions. Of that sum the cost of representatives calling on doctors accounted for about £3 millions. That figure was the proportion of the total cost of representatives (about £4½ millions) attributed by the industry to sales promotion. The Ministry stated that the figures did not include the selling and advertising costs of parent companies in America, allocated as overhead expenses to their United Kingdom subsidiaries.

Wide Variations

The Ministry admitted that the expenditure by drug manufacturers on advertising and sales promotion showed wide variations, and the Ministry "knew of no objective criterion by which they could judge whether the National Health Service was getting value for the money spent by the industry on advertising and included in dustry on advertising and included in the cost of drugs." In so far as the the cost of drugs." expenditure provided doctors with a technical information service it could be justified, but if it went beyond that to selling brand names for example it could be excessive. If either the Ministry or the medical profession provided doctors with information on new drugs, that would not, it was thought, cost the £6 $\frac{1}{2}$ millions spent by the industry. The Public Accounts Committee considered that the Ministry, faced with advertising and sales promotion costs of that order, should ascertain the sales promotion costs of individual firms, and should make strenuous efforts to eliminate all forms of activity that they regarded as excessive. The Committee believed that "this should result in a general lowering of prices, not only through the elimination of excessive costs but, in so far as profits may be related to costs, through a reduction in those profits." For products involving substantial expenditure by the Health Service, where the Ministry could out for direct price processive. could opt for direct price negotiations, the Public Accounts Committee recommended that the Ministry should not confine its activities to seeking a reduction of profit, but should also be critical of costs, "particularly those of sales promotion activities, which should be accepted only if they are of proved value to the Health Service." The Committee noted that the Ministry had exercised its option to negotiate prices for certain antibiotics manufactured by three companies, each a branch or subsidiary of a United States organisation. The total sales to the Health Service of all products produced by those firms amounted to £314 millions a year, and the Health Service usage of the drugs, which had been the subject of price negotiations, amounted to about £9½ millions annually. Two companies had provided sufficient information for negotiations to proceed and both had been persuaded to accept price reduc-tions in their products. The Ministry had negotiated with another subsidiary of an American company on the price of a drug that had a Health Service usage of about £1 million a year. As a result of the negotiations the Ministry secured a reduction in price of 6 per cent. from December 1961 and a further 3 per cent. from May 1962, giving an estimated annual saving of £60,000. The Ministry also reported it had been engaged in lengthy negotiations with the United Kingdom subsidiaries of four Swiss companies. Over the whole of the business of those companies the profits did not appear to be excessive, but for two drugs the fixing of prices based on those of exact standard unbranded equivalents would save the Service an estimated £136,000 a year. For a third, widely-used, drug the United Kingdom price was higher than the prices in other countries. Negotiations were proceeding for reductions in the prices of those drugs. The Ministry explained that the delay of twoand-a-half years in agreeing a basis for determining the reasonableness of prices was due to the extreme reluctance of the Swiss companies to enter into such agreements. The Public Accounts Committee was concerned to note the difficulty experienced by the Ministry in obtaining information on which to base price negotiations, and the length of time taken to reach price agreements and pointed out that, since there was no provision in the voluntary price regulations scheme for "back-dating" the adjustment of prices, the delay in price settlement involved a considerable additional expenditure. The Committee took the view that back-dating of price settlements might be the only way to safeguard the interests of the taxpayers unless the Ministry succeeded, by the use of its statutory powers if necessary, in hastening the production of information and so speeding the completion of price negotiations. Reference was also made to the Ministry's use of Section 46 of the Patent Act, 1949, to purchase five drugs previously supplied by patentees or licensees, the report stating that the contractors were in all cases supplying or processing imported products. Overall, their prices, exclusive of royalty, represented a saving of about 60 per cent. when compared with those previously charged by the patentees or licensees. Subject to the payment of royalties, the saving to the hospital service was anticipated to be about £500,000 a year. The Committee was informed that no estimate had been made of the royalties that would be payable by the Ministry of Health, but "that it was inconceivable that they could approach the amount of the sav-ing." The Committee "trust that the Ministry will have full regard to the contract prices in determining the rea-sonableness of the prices charged for similar products supplied by the patentees or licensecs for the pharmaceutical service." The Ministry reported negotiations with a manufacturer whose price of a general anæsthetic had remained unchanged for some years. The Ministry had attempted to make arrangements for a central contract incorporating a costings clause. The contract eventually negotiated did not contain such a clause but provided for supply at a price 10 per cent. lower than had been previously charged. The contract was to run for a year, but the Ministry was hopeful of a further reduction in prices during the currency of the contract. The suppliers, said the Ministry, were strongly opposed to the inclusion of a costings clause in the contract, and though the Ministry had power to demand information, the price reduc-tion, and the prospect of a further reduction were considered to represent a reasonably satisfactory outcome of the negotiations, and the best that could be done for the present. The Public Accounts Committee, noting the situation, gave its opinion that, when purchases were made from a sole supplier, the negotiation of prices should be based on information sufficiently detailed to enable the Ministry to satisfy itself that the prices were fair and reasonable. The Committee recommended, therefore, that the use of compulsory powers should be considered whenever the provision of such information was resisted. Referring to the expenditure on drugs and dressings by hospitals in England and Wales, which had increased from £7:36 millions in 1949-50 to £15:74 millions in 1960-61, the Ministry had told the Committee that financial sanctions against hospital authorities whose drug costs were high could be effective only within a limited

BRITISH PHARMACEUTICAL CONFERENCE

Modification to Constitution and Rules

IN view of the approaching Centenary of the British Pharmaceutical Conference, the Executive has been giving consideration to the Constitution and Rules and has proposed modifications to bring them into line with present conditions. A revised "Constitution and Rules" is to be submitted for approval at the meeting of the Conference in Liverpool. It will be noted that it is proposed to limit the number of past chairmen serving on the Executive,

while, at the same time, to increase the number of members elected to the Executive. The relationship between the Conference and the Pharmaceutical Societies of Ireland and Northern Ireland has been clarified and the procedure for election of non-pharmacists as members of the Conference has been regularised.

Revised Constitution and Rules

1. The British Pharmaceutical Conference is an organisation, associated with the Pharmaceutical Society of Great Bri-

tain, which exists for the purpose of discussing subjects relative to the science of pharmacy, promoting friendly reunion among pharmacists and those interested in pharmacy and generally furthering the objects sought to be obtained under the Royal Charters granted to the Pharmaceutical Society of Great Britain. The Conference shall meet annually.

2. The Conference shall consist of:-

(a) fellows, members, honorary fellows, honorary members and registered students of the Pharmaceutical Society of Great Britain:

(b) members of the Pharmaceutical Society of Ireland and members of the Pharmaceutical Society of Northern Ireland while these Societies remain associated with the Conference and pay annual contributions to the Conference in lieu of individual subscriptions from their members.

(c) elected members.

Elected members are those persons at home and abroad interested in subjects relative to the science of pharmacy who, not being members of the Pharmaceutical Society of Great Britain or one of the other Societies associated with the Conference, have been elected by the Execu-

Proposals for membership by election must be made in the form approved by the Executive Committee and must be signed by three members of the Conference who recommend the candidate as a fit and proper person to be associated with the Conference.

4. The officers of the Conference shall consist of a president, a chairman, an hon-

orary treasurer and two honorary general secretaries.

The president of the Pharmaceutical Society of Great Britain shall be the president of the Conference; the other officers of the Conference shall be nominated by the Executive Committee, and the nominations shall be subject to the approval of the annual meeting of the Conference.

5. The Executive Committee of the Conference shall consist of the officers of the Conference, five past chairmen who have most recently filled the office of chairman, together with three persons nominated by the Council of the Pharmaceutical Society of Great Britain and nine other members of the Conference. The chairman of the Executive of the Scottish Department of the Pharmaceutical Society of Great Britain, the president of the Pharmaceutical Society of Ireland, the president of the Pharmaceutical Society of Northern Ireland, the Editor of the Journal of Pharmacy and Pharmacology, the chairman of the Local Committee, and the honorary local secretary shall be ex-officio members of the Executive Committee. Student members may not be members of the Executive Committee.

6. Of the nine members of the Executive Committee for whom provision is made in Rule 5, three shall retire each year in accordance with seniority of service or otherwise as may be decided at the annual meeting of the Conference. Such retiring members shall be ineligible to serve again until after the lapse of one year. The vacancies so created shall be filled by election at the annual meeting of the Conference. Nominations shall be made by the Executive Committee, due regard being paid to the desirability of securing representation of the various branches of phar maceutical practice and its associated scien tific disciplines. Nominations may also b made by any five members of the Con ference, in writing, to the honorary gen eral secretaries at least twenty-eight day before the commencement of the annua meeting. In the event of there being mor nominees than vacancies a ballot shall b held in accordance with arrangements to be made by the Executive Committee. An casual vacancy shall be filled by co-option

The chairman of the Conference shall inter alia give the inaugural address preside over the scientific meetings and take the chair at the meeting of the Execu

tive Committee.

8. Non-members of the Conference may attend the annual meeting of the Confer ence only as guests of members or at the invitation of the Executive Committee They may not vote at any business session of the Conference. The Executive Commit tee may, however, decide that attendance at any particular session or function is to be restricted to members of the Confer ence. Student members of the Conference may not vote at any business session of the Conference.

9. Elected members shall pay an annual fee which will be decided from time to time, by the Executive Committee. Subscriptions shall become due on January 1. and membership shall cease if subscriptions

are not paid by June 1.

10. By arrangement with the Pharmaceutical Society of Great Britain, the transactions of the Conference are published in the Journal of Pharmacy and Pharmacology. Members of the Conference may obtain copies of the journal on preferential terms.

PHARMACISTS A LIVERPOOL DIRECTORY HOR

FOR those who wish to combine business with pleasure whilst attending the Liverpool Conference, the following directory of local manufacturers and suppliers has been compiled.

pool, 2.

pool, 23.

Blackstock

mere Port, Cheshire.

Liverpool, 3.

AYRTON-GRAHAM, LTD. Climax Works, 20 Ben-BAKER, RICHARD, & CO., LTD. BELL & SONS, LTD. BIBBY, J., & SONS, LTD. CLAYTON & JOWETT, LTD. CUMMINGS, J. W., & SON, LTD. Dailey, A. E., & Co., LTD. DELF (LIVERPOOL), LTD. ELLIS, WILLIAM, & CO., Evans, H. J., & Co. GARSTON BOTTLE CO., GEE MANUFACTURINO Co., LTD. P.D.P. Co. PEBOC, LTD. Kirby Trading nr. Liverpool. PURE CHEMICALS, LTD. RACASAN, LTD. 129 Liverpool Road RATAX PHOTO SERVICE

Shopfitting son Street, Liverpool, 70 The Albany, Liver-Precipitated chalk, kaopool, 3. lin, talcum, etc. Gascoyne Street, Liver-pool, 3. King Edward Street, Veterinary preparations Soaps Liverpool, 3. 46 Wood Street, Liver-Essences, fruit juices and pool, 1. extract Tithebarn Street, Carrageen moss Liverpool, 2.
3 Imperial Chambers, 33 Agar agar. 62 Dale Street, Liversugars, etc. pool, 2. Deleo Works, Ri Lane, Liverpool, 9. Works. Rise Soft soaps, etc. Frederick Street, Liver-Corks and plastic clopool, 1. surcs 222A Allerton Road. Agar Liverpool, 18. Window Lane, Liver-pool, 19. Glassware Phoenix Works, Fazak-erley, Liverpool, 9.

gar agar, Sulpl chalk and talcum Sulphur. Waxed papers, wrappers and containers 12 Hackings Hey, Liver-Photographic manufacturers Vitamin Street. preparations, fine chemicals Fine, organic and syn-Estate, thetic chemicals Cromwell Road, Elles-Sanitary requisites Great Crosby, Liver-Photo finishers

gelatine.

LTD. RUBBARITE, LTD. SALESMASTER UNIT SHOPFITTINO TORPEY SYLVESTER & Sons, Ltd. WILSON, EDWARD, & SON, LTD. WORKWEAR, LTD. WRIGHT PATENTS MANU-FACTURING CO. GLASS CONTAINERS (MEDICAL), LTD. HAIR-DO CO. JACKSON, HENRY (LIVERPOOL), LTD. JACKSON, J. P., & Co., LTD. JOHNSTON LIGHTNING FILLER CO. HANDS, W., & CO., LTD. LAMBETH & CO. (LIVERPOOL), LTD. LASCO, LTD. LAWTONS OF LIVERPOOL, LTD. LILY CUPS AND CON-TAINERS (ENGLAND), McGuffie, John, & Co., Ltd. McWaters, A. J., & Co., LTD. Mapleton's Nut Food Co., LTD. JOHN MORRELL & CO.,

Hanover Street, Distributors of Castellan RODMILL CHEMICAL CO., 44 Liverpool, 1. preparations. Didit, etc. New Bird Street, Liver-Sponge rubber pool, 1. Regent House Dock Shopfitting Road, Birkenhead. 48 Steel Street, Liver-Corks and plastic clopool, 1. Aintree Road, Bootle, sures. Rigid stacking trays Liverpool, 20. Mount Vernon, Liver-pool, 7. 8 Mount Street, Liver-Overalls Scientific glassware, etc. pool, 1. 25 Mersey Street, Liver-Ampoules, etc. pool 1. 10 Anson Street, Liver-Hair preparations, etc. pool, 3. Blackstock Street, Polythene film, bags and Liverpool, 3. liners 18 Marlborough Street, Engineers Liverpool, 3. 68 Falkner Street, Liverpool, 8. Filling machines Fazakerley Sponges Liverpool, 3. Greenock Street, Liver-Crude drugs pool, 3. Carruthers Street, Liver-Fertilisers pool, 3. Vauxhall Road, Packaging machinery Liverpool, 3. Expendable paper cups Fazakerley, Liverpool, 9. and containers 10 Castle Street, Liver-Castellan preparations pool, 2. Hanover Street, Proprietary preparations Liverpool, 1. Garston, Liverpool, 19. Health foods Victoria Street, Liver-Dog and cat foods

pool, 1.

CONFERENCE LOCAL OFFICERS 1962



Professor Andrew Wilson



Mr. John Farrer Barnes



Mr. John Clifford Leigh TREASURER



Mr. Denver L. Rees
SECRETARY

PEOPLE to get to know at any meeting of the British Pharmaceutical Committee are the local officers and committee. The following notes will scrve to introduce those who will be in evidence at Liverpool, September 10–14.

PROFESSOR ANDREW WILSON spent his early years in the Ayrshire village of Muirkirk, where he attended the village school. His final school year was at North Kelvinside school, Glasgow, and from there he entered into an apprenticeship with Anthony McMillan, Glasgow. After attending evening classes at the Royal Technical College he qualified as a chemist and druggist in 1930, and as a pharmaceutical chemist a year later. In 1933 he was appointed to the research staff of the materia medica department, Glasgow University, and held the post of Weir Assistant Professor Ralph Stockman and later to Professor Noah Morris. In 1937 he was awarded the degree of Ph.D., and was awarded the degree of Ph.D., and in 1939 graduated in medicine. The Summer of that year he spent at the Pharmaceutical Society's pharmacological laboratories in Bloomsbury Square, working under the guidance of Professor J. H. Gaddum, before taking a post as assistant lecturer in the department of pharmacology at Sheffield under Professor E. J. Wayne. For his studies on Addison's disease he was awarded the degree of M.D. in 1944. In 1946 came his appointment as lecturer in applied pharmacology in a newly created post held jointly in the department of pharmacology, University College, London, and University College Hospital. Two years later he had con-ferred on him the title of Reader. In 1957 he was appointed to his present post as professor of pharmacology and

therapeutics, University of Liverpool, in succession to Professor Dilling.

Professor Wilson is Privy Council visitor to the examinations of the Pharmaceutical Society in England and Wales, and a member of the revision committee of the British Pharmaceutical Codex. He is a member of many Government advisory councils, chairman of the British National Formulary Committee, and a vice-chairman of the Prescriber's Journal. His hobbies are

Prescriber's Journal. His hobbies are climbing, skiing and gardening.

MR. JOHN FARRER BARNES was born in the Lake District, educated at Ulverston Victoria grammar school, Liverpool school of Pharmacy, and Manchester University. He gained experience in practical pharmacy in Harrogate, Nottinghamshire, Preston, London and Liverpool before becoming a proprietor pharmacist in the Merscy-

side capital. A member of local Pharmaceutical Committees, a past-president of the Liverpool Chemists' Association, a past-chairman of Liverpool and District Branch of the Pharmaceutical Society and chairman of the local branch of the National Pharmaceutical Union, he was, until a month or two ago, a member of the Council of the Pharmaceutical Society for six years. during two of which he was chairman of the Council's Ethical Committee. For three years he served as a member of the Liverpool City Council. Mr. Farrer Barnes is keenly interested in the development of pharmaceutical education in Liverpool, and is a member of the governing body of the Liverpool College of Technology. He is a past-president of the Rotary Club of Garston. His present forms of recreation are shooting, fishing and country life.

MR. JOHN CLIFFORD LEIGH qualified from the Liverpool School of Pharmacy in 1940 after an apprenticeship in the pharmacy opened by his father, the late Mr. Alan Leigh, at Walton Village, in 1906. Mr. J. C. Leigh served in the Royal Air Force on mobile radar units, both in Britain and on the Continent, from October 1941 to July 1946. When demobilised in 1946 he returned to the busy retail pharmacy at Walton Village with its large dispensing business, at which he has held a Therapeutic Substances Act manufacturing licence since 1948. His present interest is the psychology of modern marketing, and hc has altered his premises in accordance with his studies of this subject. Despite his modern outlook he continues to hold the oldfashioned belief that profit is as important as turnover. In 1958 Mr. Leigh acquired a second pharmacy at Crosby. nr. Liverpool. He holds the post of secretary of the Liverpool Branch of the National Pharmaceutical Union, is a member of the Liverpool Pharmaceutical Services Committee, and treasurer of the Liverpool Chemists' Association and Liverpool Branch of the Pharmaceutical Society. When not in his pharmacy his recreation lies in visits to the motor-racing circuits of Europe, and in motor-racing circuits of Europe, and in gardening at his home in Aughton, Castle Donington. He also numbers radio engineering and photography amongst his hobbies. His wife, the former Miss Estelle J. M. Feeney, whom he married in 1956, is also a pharmacist. She qualified from Liverpool School of Pharmacy in 1940, takes an active interest in local affairs, and is a active interest in local affairs, and is a member of the local committee of the British Pharmaceutical Conference.

MR. DENVER L. REES, a native of South Wales, was apprenticed to J. T. Davies, Ltd., Swansea, qualifying in 1929. From 1929 to 1932 he was with Hall & King, Ltd., Folkestone, Kent, and subsequently, until 1935, with Savory & Moore, Ltd. In 1935 he was appointed a medical representative with Evans Sons, Lescher & Webb, Ltd., Liverpool, later Evans Medical, Ltd., and in 1950 became manager of the company's medical information department. Two years later he was promoted sales manager. Mr. Rees is a past-secretary of the Liverpool Chemists' Association and past-treasurer of the Liverpool Branch of the Pharmaceutical Society. He is the present vice-president of Liverpool Chemists' Association and vice-chairman of the Liverpool Branch of the Society. As a schoolboy international Mr. Rees played rugby for Wales against England and France in 1922 and 1923. Later he played for Swansea and the London Welsh. He is today a keen supporter of local teams, being a member of New Brighton and Birkenhead Park clubs and of Cheshire Rugby Union. His Royal Air Force service was as a Flight Lieutenant, mostly with South East Asia Command. Apart from rugby football, the chief pastime of Mr. Rees is gar-

EXPANSION PLANS

WORK has commenced on a site in Crayford. Kent, for the building of new laboratories and an administration block of offices for Pharmax, Ltd. All are expected to be ready for occupation in April 1963.

A £100,000 cosmetics and toilet preparations factory has been opened by Chesebrough-Pond's International in Salisbury, Southern Rhodesia. At present ten Europeans and forty-five Africans are employed at the factory, which has been provided by the Southern Rhodesia Government on a twenty-year lease, with the option of purchase.

A PLANT to produce liquid carbon dioxide is to be built by Imperial Chemical Industries, Ltd., at its Severnside works near Bristol. Construction of the plant will begin shortly and will be completed during 1963. The new plant will have as raw material the carbon dioxide available in very large quantities from the ammonia plant now being built for the division at Severnside, and its output will add substantially to that of the existing carbon dioxide plant at Billingham, co. Durham.

LEGAL REPORTS

Raspberry Vinegar—Food or Drug?

THE question as to whether raspberry vinegar was a food or a drug occupied Dover magistrates' court for an entire afternoon recently when Dover Cor-poration prosecuted the Co-operative Wholesale Society under the Food and Drugs Act, 1956, for selling food the label of which gave a false description. The prosecution failed and the Society were found not guilty. The case arose following the purchase of two bottles of raspberry vinegar by the town's public health department from the Dover Co-operative Society's pharmacy. Prosecuting on behalf of Dover Corporation, the deputy town clerk said the case was based on the contention that raspberry vinegar was a food. As such, it should have been labelled accordingly and not sold with the word vinegar on the label. Vinegar should contain, among other things, 4 per cent. of acetic acid and was the result of natural fermentation. The raspberry vinegar contained acetic acid 1.4 per cent. A solution of acetic acid should not be described as vinegar. Two books and a local newspaper were produced in which the use of raspberry vinegar was advocated for use as a flavouring agent or a sauce to pancakes and puddings. For the defence, it was pointed out that if vinegar was used in the preparation of raspberry vinegar the product would decompose in four or five weeks. This was the first prosecution against the C.W.S. for raspberry vinegar. Earlier that day bottles of medicine named raspberry vinegar had been bought in Dover from other pharmacies. If the magistrates decided to convict, it would mean that all the manufacturers were wrong and products would have to be withdrawn from the market throughout the country. Finding the C.W.S. not guilty, the deputy chairman of the magistrates said that while they found the case properly brought, the liquid was sold as a drug and not as a food.

COMPANY NEWS

Previous year's figures in parentheses

DOW CHEMICAL CO. U.S.A..—Net sales in the year ended May 31 increased to \$890,638,726 (from \$817,514,653), but carnings were down to \$2.16 a share, against \$2.23.

MEAD JOHNSON, INC., U.S.A.— The company announce first-half earnings of 62 cents (99 cents). The present trend of sales and earnings is expected to continue throughout 1962.

VITAMINS, LTD.—Group profit, before tax, increased from £254,074 to £374,869 in the year ended March 31. The dividend is maintained at 12½ per cent. After a substantially increased tax charge of £214,375 (£102,121), the net profit is £160,494 (£151,953).

BOTH Warner-Lambert Pharmaceutical Co., New York, and American Chicle Co. are to hold special stockholders meetings on September 28 to vote on the previously announced proposal to merge the two companies (see C. & D., August 4, p. 114).

PROCTER & GAMBLE, U.S.A. — Record sales and earnings are reported by the company for the year ended June 30. Earnings were equal to \$2.61 a share (against \$2.56). The company say it was a year of progress in spite of severe competition in all parts of its business

PHILIP HARRIS, LTD.—Final dividend is 1s. 6d., making 2s. per £1 share (same) for year to March 31. Group net profit, £38,340 (£44,592), after tax, £40,288 (£46,507). To general reserve, £25,000 (£30,000); forward, £44,262 (£44,345). To diversify activities and offer a more complete service in educational field, two wholly owned subsidiaries have been launched.

LANSIL, LTD. — The company has received an offer from the Chemstrand Co. division of Monsanto Chemical Co., U.S.A., for the issued Ordinary capital. The offer of 21s. 6d. cash is for each of the present 5s. units, which were recently, in effect, written up by the 100 per cent. scrip issue from 2s. 6d. to 5s. The highest market price in the last two years has been 13s. 1½d. The offer is unanimously recommended by the directors of Lansil, Ltd.

FARBWERKE HOECHST, A.G.—
The company have founded their third foreign holding company to manage subsidiaries abroad. The new holding company, Farbwerke Hoechst Investment, A.G., has been registered in Zurich with a capital of two million Swiss francs, and is fully owned by the parent company. The two existing holding companies are Trans-American Chemicals, Ltd., in Montreal, and the American Hoechst Corporation in New York.

SHELL CHEMICAL CO., LTD.—The company has announced that a new joint company, Shell and Albatros (Agriculture), Ltd., has been set up to market chemicals and fertilisers in the Republic of Ireland and Northern Ireland. The new company, which is owned 50 per cent. by Shell Chemical Co. (U.K.) and 50 per cent. by the Irish firm Albatros-Windmill Fertiliser, will have its head office at New Ross, co. Wexford, and there will also be offices in Dublin, Cork and Belfast. The Republic of Ireland and Northern Ireland will be served by a series of depôts.

STEPHEN SMITH & CO., LTD. — Trading profit for year ended April 30 was £32,692 (£52,387) and net profit, after tax of £10,700 (£16,200) was £10,725 (£23,925). Ordinary dividend is 7½ per cent. (10 per cent.). Reviewing the year the chairman (Mr. E. L. Hawkins) states that the year proved one of "disappointments and difficulties." Unfavourable weather for two successive seasons in their vineyard resulted in shortage of grapes and the imposition of the Chancellor's 10 per cent. surcharge on wine duties caused a "marked falling off in demand for the company's products."

MACARTHYS PHARMACEUTI-CALS, LTD.—Group profit for the year ended April 30, after all charges except taxation was £103,176 (£91,165 in the 10 months to April 30, 1961, and a forecast a year ago of £115,000). The profit after taxation and provision for preference dividend was £52,735 (£38,923)

in the 10 months to April 30, 1961). A final dividend of 12½ per cent, is recommended, making a total of 20 per cent. for the year. The net ordinary dividends absorbed £29,400. The directors state that trading during the first nine months of the financial year was reasonably satisfactory, in spite of some substantial price reductions in important dispensing drugs. Sales of the wholesale company in the period were increased to a level of over 40 per cent. in excess of that achieved in the corresponding period a year before. In February, March and April, which are usually some of the busiest months of the year, a sharp but temporary set-back was experienced by the trade as a whole. The effect of this on their wholesale business was that the increased level of sales experienced in the first nine months was not fully maintained in this last quarter of the financial year. In addition, initial expenses incurred in the establishment of the new distribution depôts were higher than anticipated. Sales since the end of the financial year have returned to a satisfactory level. The chairman's statement, which will comment in greater detail on the group's trading results, is to be circulated with the accounts on August 29.

BUSINESS CHANGES

LIBERTY PHARMACIES, LTD., have closed their branch at 18 Duke Street, Chelmsford.

ASHWOOD TIMBER INDUSTRIES, LTD., have removed to Leven Road, London, E.14 (telephone: East 6343).

Appointments

DU PONT CO. (UNITED KING-DOM), LTD., 76 Jermyn Street, London, S.W.1, have appointed Mr. Neville B. Joy technical development representative for Du Pont agricultural chemicals in the United Kingdom and Eirc.

KIMBERLY-CLARK, LTD., Lark-field, Kent, have appointed Mr. Roy Sutcliffe products manager in their consumer division. Mr. Sutcliffe, was formerly divisional sales manager (London North) for the company.

BOOTS PURE DRUG CO., LTD., Nottingham, have appointed Mr. A. G. S. Wilkes to take charge of a new division which has been formed at Nottingham to direct and co-ordinate the company's efforts in the creation of new products. Mr. Wilkes, who was formerly the company's photographic buyer, is being succeeded in that post by Mr. J. D. Lilley.

LAPORTE INDUSTRIES, LTD., announce that Mr. H, Leslie Salter has been appointed sales manager of Laporte Titanium, Ltd., in succession to Mr. P. G. Rennie who has relinquished his appointments as director and sales manager of Laporte Titanium, Ltd. Mr. Salter, who was a director and commercial manager of The Fullers' Earth Union, Ltd., has relinquished those appointments. Laporte Industries, Ltd., also announce the following further appointments to take effect from September 1:—Mr. G. H. Maddra, general works manager of Peter Spence & Sons, Ltd., has been appointed general works manager of the Warrington works of

Laporte Chemicals, Ltd., in succession to Mr. G. F. Sommerville. Mr. R. S Lancaster, the general sales manager of Laporte Chemicals, Ltd., has been appointed commercial manager of The Fullers' Earth Union, Ltd., in succession to Mr. H. L. Salter. Mr. H. C. Smith, technical production manager of Peter Spence & Sons, Ltd., has been appointed works manager of that company.

NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office GERALD A. FOX (ACTON), LTD. (P.C.). Capital £2,000. To earry on the business of wholesale and retail chemists, etc. Directors: Gerald A. Fox and Alec Balfour, 39 Crespigny

Gerald A. Fox and Alec Balfour, 39 Crespigny Road, London, N.W.4.

MAGNUS CLARK, LTD. (P.C.). — Capital £300. To carry on the business of ehemists, druggists, etc. Directors: Florence I, Clark, Florence I, Williams and Philip R. Digweed, M.P.S. R.O.: 12 Charles Street, Hoole, Chester. P. G. LEWIS, LTD. (P.C.).—Capital £500. To earry on the business of ehemists, etc. Subscribers: Ernest I, Evans and Alan W. Everitte. scribers: Ernest J. Evans and Alan W. Everitt, 26 Victoria Street, Luton. The directors are not

LYN DALE (COSMETICS), LTD, (P.C.).-Capital £100. To earry on the business of manufacturers of and dealers in cosmetics, drugs, medicines, etc. R.O.: 49 Crown Street, Brent-

PERSONAL PRODUCTS, LTD. (P.C.).—Capital £100. To earry on the business of manufac-turers of and dealers in surgical dressings, etc. Solieitors: Freshfields, 31 Gresham Street, London, E.C.2

KERODEX, LTD. (P.C.).—Capital £100. To earry on the business of manufacturers of and dealers in chemicals, medicines, disinfectants, etc. Directors: Kenneth B. Alberman, Michael J. Alberman, Albert Alberman and Lily Alberman.

R.O.: 436 Essex Road, London, N.I.
PRIVATE FORMULAS (INDUSTRIAL),
LTD. (P.C.).—Capital £1,000. To earry on the business of manufacturing and processing chemicals, etc. Directors: Harry Turner and Reginald J. G. Turner, M.P.S., 85 Lammack Road, Black-

ERIC D TWEEDALE, LTD. (P.C.).—Capital £1,000. To carry on the business of retail ehemists, etc. Directors: Eric D. Tweedale, M.P.S., and Dorothy Tweedale, R.O.: 139 Nantwich Road,

Crewe, Ches

WOODBOURNE PHARMACY, LTD. (P.C.).-Capital £1,000. To earry on business as wholesale and retail ehemists and druggists, ehiropodists, etc. Subscribers: Charles McGettigan, M.P.S.N.I., and James Doyle, M.P.S.N.I, R.O.: 122 Stewarts-

town Road, Suffolk, Belfast, 11.

POTTER DRUG & CHEMICAL, LTD.

(P.C.).—Capital £100. To carry on the business of importers, exporters and manufacturers of pharmaeeuticals, etc. Subscribers: J. A. Mallows and M. Edwardes-Evans, 12 Whitehall, London, S.W.1.

R. F. WAINWRIGHT, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. Directors: Reginald T. Wainwright and Daisy Wainwright, R.O.: 201 King Street, Hoyland, Barnsley.

SCOTT & STUART, LTD. (P.C.). — Capital

£100. To earry on the business of wholesale and retail ehemists, etc. Directors: Arthur F. Scott and Margaret C. Scott. R.O.: 59 Syon Park

Gardens, Osterley.
WELLGREEN PHARMACY, LTD. (P.C.).— Capital £1,200. To carry on the business of ehemdruggists, etc. Directors: Tom W. Hulme, M.P.S., Andrew L. Goring, M.P.S., William A. Cragg and Stanley E. Shepperd, R.O.: 63 Briar-field Road, Timperley, Altrincham, Ches.

E. C. NOBLE (CHEMISTS), LTD. (P.C.).-Capital £2,000. To acquire the business of a pharmaceutical chemist carried on by Edward C. Noble, M.P.S. Directors: Edward C. Noble and Gladys M. Noble, R.O.: 341 Shaftmoor Lane, Hall Green, Birmingham, 28, ROYSTON CLIVE (CHEMISTS), LTD. (P.C.).

Capital £500. To carry on the business of manufacturing and general chemists, etc. Sub-

Roy Boskin, M.P.S., 31 Hillerest seribers: Avenue, Edgware, Middlesex, and Betty Hersham. Roy Boskin is the first director.

BRIDGE PHARMACY, LTD. (P.C.).—Capital £2,000. To earry on the business of wholesale and retail chemists, druggists, etc. Directors: Mary B. Rushton and Beryl E. J. S. Rushton. R.O.: 85 Bridge Street, Manchester.

MARRIAGES

GASKELL—BEAUMONT. — At St. Matthew's Church, Northowram, Halifax, Yorks, on August 9, David Gaukroger Gaskell, M.P.S., 9 Mayfield Drive, Halifax, to Virginia Mary Beaumont.

PARSONS—SCOTT. — At Bradford Cathedral on August 8, Raymond Lcslie Parsons, London, N.W.4, to Joyce Elizabeth Scott, M.P.S., Hamilton House, Woodlands Drive, Apperley Bridge, nr. Bradford, Yorks.

DEATHS

LEWTHWAITE. — On July 5, Miss Gwendolen Crocker Lewthwaite, 17 Longmeadow Road, Saltash, Cornwall. Miss Lewthwaite qualified as a chemist and druggist in 1921.

LLOYD. — On August 13, Mr. Edward Lloyd, M.P.S., 14 Duchess Road, Bristol, 8. Mr. Lloyd had been secretary of the Bristol Branch of the Pharmaceutical Society for many years and was formerly deputy chief pharmacist at the Bristol Royal Infirmary from which he retired in 1958. Mr. Lloyd qualified in 1914.

MILLER.—Suddenly, on July 25, Mr. Robert Tortuguero Miller, M.P.S., 59 Kersland Street, Glasgow, W.2. Mr. Miller qualified in 1935.

MORT. — On July 26, Mr. Spencer Campbell Mort, M.P.S., 61 West Paradc, Lincoln. Mr. Mort, who qualified in 1929, was chairman and a former secretary of Lincoln Pharmaceutical Committee and former chairman and secretary of the local branch of the National Pharmaccutical Union. He was Sheriff of Lincoln in 1957-58.

NEALE. — On July 27, Mr. Oliver Tom Sydney Neale, M.P.S., 17 London Road, High Wycombe, Bucks. Mr. Neale qualified in 1921.

TALBOYS.—On August 14, after a long illness, Mr. Herbert Talboys, 57 Durham Road, Bromley, Kent, aged seventy-seven. Mr. Talboys was the seventy-seven. Mr. Talboys was the representative in Kent and South-east London for W. Sutton & Co. (Druggists Sundries, London), Ltd., Horseshoe Lane, Enfield. He had been with the company for many years.

TAYLOR.—Recently, Mr. Leslie Taylor, M.P.S., 62a Myrtle Street, Liverpool, 7. Mr. Taylor qualified in

PERSONALITIES

MR. SIDNEY M. LEVY (chairman of Rosedale Products, Ltd.) has been appointed to the board of the Scottish Heritable Trust, Ltd.

MR. C. D. W. STAFFORD (a director of Beecham Group, Ltd., and chairman of Beecham Proprietary Medicines, Ltd.), has accepted an invitation to become a vice-chairman of the executive committee of the Proprietary Association of Great Britain.

MR. KENNETH YOUNG, M.P.S., chairman and managing director, W. Bates & Co., Ltd., 25 Oxford Street, Southampton, has been appointed Honorary Consul for Belgium. Mr. Young's office covers Hampshire (excluding Portsmouth), the Isle of Wight, Wiltshire and Berkshire.

MR. IVOR McG. BODEN, who has been appointed director of sales, John

Wycth & Brother, Ltd., holds the degree of M.A., National University of Ireland, and was called to the Bar in 1946. He joined Messrs. Wyeth in 1947, and in 1952 was appointed manager of the company's Eirc organisation. Нe bccame divisional sales



manager for Scotland and Ireland in 1958 and was appointed general sales manager for John Wyeth & Brother, Ltd., in the United Kingdom in 1960.

MR. ARTHUR L. SAUL, who at the beginning of May was elected presi-

dent of the Liverpool Chemists' Association, was recently elected chairman of the Liverpool Branch of the Pharma-ceutical Society also. Mr. Saul qualified at the Liverpool School of Pharmacy in 1931 and has been in business on his



own account at 104 Derby Lane for the past fourteen years. Before that he was chief pharmacist for eight years at Belmont Road Hospital, Liverpool. where from 1931 to 1940 he was assiswhere from 1931 to 1940 he was assistant chief pharmacist. He is a past chairman and former secretary of Liverpool branch, Guild of Public Pharmacists, a past captain of Liverpool Chemists' Golfing Society, and a past captain of Woolton Golf Club. He and his wife calebrated their silver and his wife celebrated their silver wedding anniversary in June.

OVERSEAS VISITS

MR. T. H. BENNETT (sales director, The Distillers Co. (Biochemicals), Ltd.) returned recently from a visit to Nigeria. While there he completed arrangements for the formation of a subsidiary company, The Distillers Co. Biochemicals (Nigeria), Ltd., and opened its offices at 8 Frederick McEwen Street, Lagos. Among the guests at an opening ceremony were: Dr. E. A. Esin (Nigerian Minister of State for Commonwealth Relations and Acting Minister of Health); Sir Kofo Abayomi and Mr. D. G. Stewart-Smith (U.K. Trade Commissioner).

NEW PRODUCTS AND PACKS

Non-barbituric Hypnotic.—The claim is made for Serenesil (ethchlorvynol, Abbott), a non-barbiturate hypnotic by Abbott Laboratories, Ltd., Queenborough, Kent, that six years' usage of the compound in many parts of the world has shown both its efficacy and its freedom from serious side-effects. A single 500-mgm. capsule is normally sufficient to induce sleep otherwise prevented by nervous tension, mild anxiety, excitement or agitation. Serenesil is understood to be particularly indicated if barbiturates are contraindicated. It may also be used for patients who have developed a dependence on barbiturates as a first step in the withdrawal of hypnotics. The packs are bottles of 100 and 500 capsules.

Metric Packs.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, announce that, in accordance with the trend towards the metric system, they have introduced the following metric weight and volume packs. Existing imperial packs are not, however, rendered obsolete. Adrenaline solution (1:1,000), 25-mil bottle; Anthical cream, 25-gm. tube; Anthisan cream, 25-gm. tube and 500-gm. jar; Brulidine cream, 25-gm. tube and 500-gm. jar; M. & B. antiseptic cream, 25-gm. tube and 500-gm. jar; Phytodermine cream, 25-gm. jar. Phytodermine cream, 25-gm. jar. Phytodermine cream, 25-gm. jar. Phytodermine cream, 25-gm. tip. Propamidine ophthalmic solution, 0-1 per cent. w/v, 15-mil bottle; VAM anæsthetic mixture, 150-mil bottle.



SYRINGE CASE: The Macrom spirit-proof syringe case of Macarthys, Ltd., Macrom House, Seymer Road, Romford (see C. & D., July 14, p. 37). Made from unbreakable polypropylene, it can be sterilised by boiling and takes both Luer and record syringes. Styled in white and turquoise, it fits easily and conveniently into the pocket or handbag.

Anti-smoking Tablets. — The new Conquerors anti-smoking tablets of Arthur H. Cox & Co., Ltd., Brighton, are in an attractive strip-packed presentation. The specially designed show outer holds 1 doz.

Lacquer-remover Shampoo. — André Philippe, Ltd., 71 Gowan Road, London, S.W.6, announce a new product perfumed hair-lacquer-remover shampoo.

"Polish-as-you-dust" Spray.—Latest addition to the Cooper range of aerosols is Hi-fi poltsh-as-you-dust product, claimed to give "a quicker, deeper shine with less effort than with ordinary polishes." Hi-fi is supplied in case of 1 doz. popular and 1 doz. large sizes.

Redesigned Containers. — Rentokil woodworm killer and wood preservative are now being sent out in newly designed cans giving a more distinctive display to the name of the product. With the woodworm killer the red plastic spout is supplied free of charge so that the fluid may be injected deep into



woodworm flight holes. The wood preservative (formerly Rentopruf), available in four colours, is claimed to protect both indoor and outdoor timbers from insect and fungal attacks. Both packs give details of a free survey offered by Messrs. Rentokil of any property in the United Kingdom. Details are also given of the company's woodworm insurance scheme. The treatments are backed by a twenty-year guarantee. Manufacturers are Rentokil Group, Ltd., School Lane, Fetcham, Surrey.

Hair Curler from America. — Described as "the most sensational hair curler in America," the Spoolie all-rubber curler is now being marketed in Britain by Whitecroft Pin Manufacturing Co., Ltd., nr. Lydney, Glos. The Spoolie is issued in bag of twenty, twelve or thirty-six bags to a display outer, and on card of five, twenty-four per outer.

"Coming-of-age" Repacks. — After twenty-one years in tweedy wrappers, the cosmetics of Lentheric, Ltd., 17 Old Bond Street, London, W.1, celebrate their coming-of-age with new blue, white and gold packaging described as "streamlined but feminine." All the Lentheric skin-care and make-up ranges are included, the Tweed perfumes and bath preparations remaining in the familiar tweed-and-gold packs. New make-up colour for the season is "rose-beige," which is in moisturising foundation lotion, face powder and "Finishing Touch" combined powder and foundation.

Now in Nine Shades.—Two new colours, "gently golden" and "boldly beige," in the cosmetic range of Richard Hudnut, Ltd., Eastleigh, Hants, bring the number of shades of Flatter Glo, pearled cream and pearled loose powder to nine. All shades of pearled loose

powder now match, and carry the same names as, pearled cream powder. Point-of-sale material includes a showcard illustrating the theme of a Press-advertising campaign during the autumn, a tester stand, a twelve-piece display unit for Flatter Glo, and a showcard and counter-display unit for pearled cream powder.

"Alternating Pressure" Sickbeds.—An overlay mattress, the Hico Decubimat, constructed to provide "alternative pressure" for the treatment and prophylaxis of bedsores in bedridden patients, has been made available by Hirtz & Co., Ltd., Murray House, Vandon Street, London, S.W.1. That form of therapeutic nursing aid has gained favour in recent years, and the Decubimat is claimed to have the advantages that the compressor is silent in operation and does not disturb patients; that each motor operates two overlays, thus giving distinct price advantage; that large flaps at head and foot ensure that the overlay does not slide; and that the aircells run lengthwise, assisting venous return to the right heart. The makers are confident that Decubimat will play its part in relieving strain on nursing staffs and giving comfort to sufferers. Delivery is free in Great Britain. The mattress is also available on hire.

Bonus Offers

CHARNWOOD LABORATORIES, DIVISION OF VANTOREX, LTD., Loughborough, Leics. Superplenamins. Twelve small (5s. 6d.) size free with order for any of three standard parcels (24 large (17s.), 12 medium (9s. 6d.), 24 small; 12 large, 24 medium, 48 small; 12 large, 36 medium, 24 small). Three small or one extra large (37s. 6d.) on order for three extra large.



NEW PACKS AND CROWNERS: Design of pressurised pack of Secto "extra-strength" fly and wasp killer aerosol has been given a cleaner, more modern look and at the same time given a fly motif that makes its purpose more immediately apparent, A "crowner" draws attention to its main selling point, Suppliers are Cupal, Ltd., Blackburn, Lanes.

TRADE NOTES

Credits Ended.—Upjohn, Ltd., Fleming Way, Crawley, Sussex, advise us, from August 18, no further credits are being given in respect of Monase tablets.

A Veterinary Correction.—Halin veterinary anthelmintic, included in "Guide to Animal Medicines" on August 11 (p. 146), is a solution of technical Ruelene in oil, and not as described in that paragraph.

Shaving-brush Display Stand. — For display on counter or in window of three Vulfix shaving-brushes, Progress Shaving Brush (Vulfix), Ltd., Mottram Street, Stockport, Ches, have produced a cream plastic stand size $7\frac{1}{4}$ by $3\frac{1}{4}$ in. which is sent free with the company's parcel 910 (trade price 45s.).

Immunisation Propaganda. — The Ministry of Health is issuing a poster size 19 by $14\frac{1}{2}$ in. printed in two colours and black on white and a 4-p. folder size 6 by 4 in. in two colours calling on parents to have their children immunised against diphtheria, polio, smallpox, tetanus and whooping cough.

Aiding the Exporter.—A new handbook explaining the rôle of a confirming house in assisting exporters has been prepared by Tozer, Kemsley & Millbourn, Ltd., 151 Minories, London, E.C.3. Separate French and German editions are being prepared and the publication will have a wide circulation in Europe and the other markets in which the T.K.M. group operates.

Discount for Quantity.—Home & Export Trading & Manufacturing Co., Ltd., 63 Corporation Street, Manchester, 4, state that while, owing to price reductions and contents increases effect in recent months, they are making no bonus offer in 1962, they are prepared to offer a quantity discount that makes it worth while to stock larger quantities (12-20 doz. in one delivery) of Fabulo hair rollers to meet the usual seasonally larger demand. Prompt deliveries are promised as there is to be no holiday closing of the works this year.

Appointed Agents. — Jacobson Van Den Berg & Co., (U.K.), Ltd., 3 Crutched Friars, London, E.C.3, have been appointed agents in the United Kingdom for the sale of products manufactured by the Rita Chemical Corporation, Chicago, U.S.A. The corporation manufacture a complete range of lanolin and lanolin derived products, although initially the agents are holding stocks in London of only one of their products, Ritalan, which is a liquid fraction of lanolin, claimed to have all the beneficial properties of lanolin "without the objectional characteristics of odour and tackiness." It is oil and lipid soluble, and unlike normal lano-lin, is said to be completely soluble in mineral oil. Samples, quotations, and any further details are offered by the agents.

Improved Formula.—Lantigen (England), Ltd., Bagshot, Surrey, advise that, over the past few years, laboratory investigations of the bacterial flora of sputum of chronic bronchities, and titration of antibodies in their blood carried out during clinical trials, have

shown that certain species of pathogenic bacteria occur far more frequently than others. In the light of the findings, they have adjusted Lantigen B to contain a greater proportion of the antigenic extracts of the two micro-organisms concerned (Hæmophilus influenzæ and Staphylococcus aureus) and added chlorhexidine diacetate to counteract the foci of infection in the throat and post-nasal spaces from which bronchial infection so often spreads. The makers now suggest the administration of their oral vaccines on a cube of loaf sugar.

Now Tax-free.—The following products are notified by the manufacturers as being tax-free under the Purchase Tax (No. 1) Direction, 1962:

ALUPENT tablets, ampoules and inhalant solution (Boehringer Ingelheim, Ltd., Isleworth House, Great West Road, Isleworth, Middlesex).

ARVYNOL (brand ethchlorvynol) capsules (Harvey

Pharmaceuticals, a department of Pfizer, Ltd., Sandwich, Kent).

ATASORB and ATASORB N (Eli Lilly & Co., Ltd., Basingstoke, Hants).

COOLSPRAY (Bengué & Co., Ltd., Mount Pleasant,

Alperton Wembley).
Doloxene, Doloxene compound and Doloxene COMPOUND 65 (Eli Lilly & Co., Ltd., Basing-

LAROXYL (Amitriptylinc) preparations (Roche Products, Ltd., 15 Manchester Square, London,

PORTYN KAPSEALS (Parke, Davis & Co., Staines

Road, Hounslow, Middlesex). SERENESIL capsules (Abbott Laboratories, Ltd., Queenborough, Kent).

TRIOGESIC tablets and suspension (A. Wander, Ltd., 42 Upper Grosvenor Street, London, W.1).

TRYPTIZOL tablets and injection (Merck Sharp & Dohme, Ltd., Hoddesdon, Herts).

Safety Equipment.—Claimed to be one of the foremost aids to the improvement of working safety and efficiency marketed today is the Augur safety equipment manufactured by Vulcascot (Great Britain), Ltd., 87 Abbey

Road, London, N.W.8. Safety steps, platforms and trolleys are among the items included in their range.

Benzamine. — Gerhardt-Penick, Ltd., Thornton Laboratories, Purley Way, Croydon, have completed development work on benzamine (beta-eucaine) and salts, and now offer supplies of the hydrochloride and lactate in quantities up to 500 oz. The compound forms quaternary salts with anæsthetic pro-perties and are used for surface and infiltration anæsthesia.

Pyrethrum Bureau Office.—The Pyrethrum Bureau has established a branch in Melbourne, Australia, under Mr. Glynne Jones. The Bureau is an independent organisation financed by the Pyrethrum Board of Kenya to disseminate technical information about pyrethrum insecticide and already has offices in London, Washington and Nakuru (Kenya).

A Protective Coating.—Quelspray vinyl aerosol spray issued by Fisons Scientific Apparatus, Ltd., Loughborough, Leics, provides a coating that protects against water, alkalis, dilute acids, salt spray, etc. It also affords excellent resistance to weathering and abrasion and may be applied to almost any clean material. Among the many suitable applications are: - Coating of glass bottles to filter out ultra-violet light; protection of labels; touching up laboratory metalware; for preserving charts, graphs and data sheets in lieu of lamination be-tween plastic sheets. Quelspray is available in 16 oz. cans in the following colours:—black, white red, green, as well as clear transparent.

INFORMATION WANTED

The Editor would appreciate information about:

S 17 or F 17 ointment Dersfell steel combs

CHRISTMAS SHOWROOMS

7	HIRD	LIST (see also C. & I	D., July 28, p. 84, and A	August 4, p. 116)				
August 20-24		BRISTOL	Royal hotel	Roberts Windsor, Ltd.				
		LIVERPOOL	Adelphi hotel	Roberts Windsor, Ltd.				
			•	Shulton (Great Britain), Ltd.				
August	21-23	ABERDEEN	Station hotel	Potter & Moore, Ltd.				
August	27-31	BRISTOL	Royal hotel	Potter & Moore, Ltd.				
		GLASGOW	St. Enoch hotel	J. C. & J. Field, Ltd.				
		LIVERPOOL	Adelphi hotel	J. C. & J. Field, Ltd.				
				Potter & Moore, Ltd.				
		NOTTINGHAM	County hotel	J. C. & J. Field, Ltd.				
September	3-7	BIRMINGHAM	Midland hotel	J. C. & J. Field, Ltd.				
			Grand hotel	Potter & Moore, Ltd.				
			Queens hotel	Roberts Windsor, Ltd.				
		CARDIFF	Royal hotel	Potter & Moore, Ltd.				
				Roberts Windsor, Ltd.				
		GLASGOW	St. Enoch hotel	Potter & Moore, Ltd.				
				Roberts Windsor, Ltd.				
		LEEDS	Griffin hotel	J. C. & J. Field, Ltd.				
				Roberts Windsor, Ltd.				
				Shulton (Great Britain), Ltd.				
			Metropole hotel	Jean Sorelle, Ltd.				
			Great Northern hotel	Potter & Moore, Ltd.				
		MANCHESTER	Midland hotel	J. C. & J. Field, Ltd.				
				Roberts Windsor, Ltd.				
		NEWCASTLE	Royal Turk's Head hotel	J. C. & J. Field, Ltd.				
				Roberts Windsor, Ltd.				
September	10-13	EDINBURGH	North British hotel	J. C. & J. Field, Ltd.				
				Roberts Windsor, Ltd.				
_		NORWICH	Castle hotel	Roberts Windsor, Ltd.				
September	10-14	BIRMINGHAM	Queens hotel	Shulton (Great Britain), Ltd.				
_		MANCHESTER	Midland hotel	Shulton (Great Britain), Ltd.				
September		NEWCASTLE	Royal Turk's Head hotel	Potter & Moore, Ltd.				
September	17-20	BELFAST	Grand Central hotel	Roberts Windsor, Ltd.				
		BRIGHTON	Metropole hotel	Roberts Windsor, Ltd.				
September	17-21	GLASGOW	St. Enoch hotel	Shulton (Great Britain), Ltd.				

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

N.H.S. Negotiations

SIR, — Suggestions have been made (and denied) from various unofficial sources that

(a) In the event of a withdrawal from the service being called for by the Pharmaceutical Society, it would or could refer to the Statutory Committee any pharmacist, proprietor or employee, who refused to withdraw his services.

(b) Alternatively, in such an event as in (a) above, the Society could refuse to renew premises registration.

(c) In the event of the Society announcing, as appears likely, a scale of dispensing fees, failure to adopt these would similarly lead to a reference to the Statutory Committee.

The Society has remained silent on all these suggestions, but I feel that it is time members demanded that the Society should recognise the existence of the suggestions and should issue some official statement about them. If there is any substance in them we should support the Society up to the hilt, but if, as I suspect is the case, they have no substance, then the Council should come out into the open with a statement to that effect, instead of deceiving their members by allowing those statements to go unanswered.

G. E. Morgan, Guildford

Autonomous and Equal

SIR,—The severity of the criticisms by Messrs. Smith and Malloy of my letter published in your issue of August 4 prompt me to make reply and clarify certain points. Obviously any opinions I expressed, or assumptions made, were my own, and are in no way regarded as sacrosanct; yet the fact remains that the bulk of my letter was devoted to stating facts and not opinions, and while Mr. Smith protests at what he calls "distorand urges that I should obtain a copy of the J.I.C. agreement, he then proceeds to correct me by quoting (in greater detail) figures that tally with mine in every respect but one. That one variation concerns, curiously enough, Mr. Malloy, and a further perusal of the J.I.C. agreement shows that my original figures were correct. Mr. Smith's letter is, to say the least, confusing. He is in favour of the present negotiators, yet rejects the results of their efforts; he resents the attempt to form an Associates' Section, sneers at my inexperience and inability, wishes the J.I.C. to continue as at present, yet admits that 'unfortunately it is with us for a long time." The letter from Mr. Malloy discount completely. I have stated elsewhere my conviction that pharmacy is for pharmacists, and at the Society's Branch Representatives' meeting gave my opinion that the failure of the profession to gain professional recognition was due, at any rate in part, to the large measure of control exercised by unqualified persons and bodies. Mr. Malloy is not a pharmacist, and while

he has every right, as a Union official, to concern himself with the unqualified personnel employed in pharmacy, he should be in no way concerned with the affairs of pharmacists. I am most deeply shocked, however, at the attitude of mind of both these gentlemen—an attitude dating back half a century or more. Both deeply resent the fact that I, as an employee, have not instituted an attack upon the employers; do not regard them as the traditional enemy. It seems right and proper, therefore, to make my position clear. I regard all pharmacists as having equal professional standing; some employ, some are employed, but in the eyes of the ruling body—the Society—all are equal. In helping to bring the Associates' Section into being, I envisage the Section as an autonomous body that will speak on terms of equality with all other pro-fessional bodies, including the N.P.U. Indeed, I would say especially the N.P.U. We shall be subservient to none, and will not be activated by greed, envy or hatred. We have a part to play, and I believe that we are the logical choice to play that part. To say that the A.P.E. has failed in its endeavours is not to sneer or attack, but simply to state facts, and the time has now come for employee pharmacists to place their faith in this new organisation. I am convinced (albeit due to the innocence of my ignorance and inexperience) that we shall succeed, and that in that success will lie the salvation, not only of the employee, but of W. A. BEANLAND, pharmacy. New Romney, Kent

Pharmacy and the E.E.C.

SIR,—The Council of the Pharmaceutical Society has issued its report on the Common Market and I think we should congratulate both Mr. Grainger and Sir Hugh Linstead on the obvious amount of work, study and time put into this document. It highlights some of the problems that will certainly come to the fore: the freedom of movement of labour, with the freedom to practise, subject to certain conditions (language, forensic pharmacy, etc.), freedom of establishment, limitation of pharmacies, reciprocity of qualifications. Taking the last item first, I would, if I may, remark that Section 6 of the Pharmaceutical Society's memorandum is not quite correct. Article 57 is invoked, and the report states "Mutual recognition of qualifications may be decided by a majority vote of the Council of Ministers." That is not quite true. It has to be by unanimous vote in the first transition period, and by weighted majority in subsequent periods. Weighted majority voting is different to simple majority voting. In a weighted majority Germany, France and Italy have 4 votes, Belgium, Netherlands 2. Luxembourg 1, and the majority must be 12 votes. That prevents any single one of the larger States, either alone or with Luxembourg or the Benelux countries, from being able to exercise a veto.

In this country we have a large proportion of employee pharmacists who do not, and are not likely to, own a business. On the Continent the situation is practically the reverse. Employee pharmacists are, in proportion, few. The majority of retail pharmacies are individually owned, and in most of the Six they are legally protected, so that the sale of medicines and medicinal substances is reserved to them. However, in France strong pressure is being exerted by multiples, combines, etc., to break that monopoly and allow the sale of simple drugs like aspirins, etc., by unqualified sources. The question will arise: Will the pressure groups in this country that enjoy the freedom link up with Continental groups and force this issue, to the detriment of our more professional Continental colleagues?

Again, the question of limitation of pharmacies will become a vital issue. We have to remember that the decision of the Council of Ministers is binding and enforceable on all the member States. Great desire was expressed at this year's Branch Representatives' meeting for limitation of pharmacies. Could the European Economic Community provide the opportunity to further these aims. The aims of the Rome Treaty are basically against limitation, and will no doubt be supported by the multiples, combines, and even many private pharmacists, yet in many senses we are voluntarily reaching that stage through economic and not through legislative conditions. Multiples are not expanding in unit strength but developing existing sites, and amongst private pharmacists there is more tendency towards collaboration and grouping. The Continental pharmacists must help us and we must help them in the struggles ahead. The Pharmaceutical Society must go all out for recognition of the un-official pharmaceutical group of the Six. Pharmacists in this country could come under two different classifications. Employee pharmacists could be designated as workers under freedom of movement of labour (article 48). Workers are persons subject to a contract of employment and may accept offers of employment provided satisfaction is obtained as regards language, forensic pharmacy, etc. Self-employed pharmacists have the right of establishment. That is the right of an individual to go to another member State and carry on his occupation or set up business there. It does not apply to wage earners or salaried persons, though it would to self-employed persons, part-ners, proprietors of businesses and directors of companies. Practically all of our Continental colleagues could come under that section.

We shall be faced with many other vital problems: but the Pharmaceutical Society has made the first and important step forward. Let us give it all our support.

MERVYN MADGE,

Plymouth



For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON" TELEPHONE: CENTRAL 6565

A Myopic View

ONCE again the Committee of Public Accounts has critieised practices in the pharmaceutical industry, and has nade recommendations (see page 161) which, in our view, are unwarrantable. In its previous report the Comnittee had suggested that the Ministry of Health should nvestigate the relation between the drug bill and adverising costs of proprietary medicines. As a result, the Ministry had approached the Association of the British Pharmaceutical Industry which had provided informaion showing that, in 1961, expenditure on advertising was equivalent to just under 10 per cent. of the sales evenue, and that representatives calling on doctors accounted for £3 millions of that expenditure. In its report to the Public Accounts Committee, the Ministry aid that, "in so far as expenditure provided doctors vith a technical information service, it could be justiied, but if it went beyond that—to selling brand names, or example—it could be excessive." The report also aid that the Ministry did not think that for either the nedical profession or the Ministry to provide doctors with information on new drugs would cost the $£6\frac{1}{2}$ milions spent on advertising by the industry.

One question the Committee apparently overlooked vas what would happen to the pharmaceutical industry while the Ministry was taking over the task of replacing he medical representative. If the whole of the £3 milions thus saved (and knowing the phenomenal manner n which Government expenditure tends to multiply we nardly believe that the claim would be realised), the ffect on the industry would be disastrous, and many imes more costly than the saving achieved.

The Committee also recommends that, when negotiatng prices, the Ministry of Health should be critical of osts, particularly those of sales-promotion activities, which "should be accepted only if they are of proved value to the Health Service." Earlier in the report there s a recommendation that the Ministry should ascertain he sales-promotion costs of individual firms and should nake strenuous efforts to eliminate all forms of activity hat it regards as expensive. As a commentary in The Times, August 9, stated, "This is a fine-sounding sentinent. It is also a tall order. . . . What they now envisage amounts to an elaborate investigation of the eccounts of private companies, which can reasonably be egarded as unwarranted. Ultimately interference of this kind could seriously inhibit the very competitiveness the Ministry is expected to encourage." We would go even urther and suggest that the Public Accounts Committee

should not be so myopic as to restrict its vision to only one item of the National Health Service. It should look at the very fundamentals of the Service, and ask whether either the patient or secondly the taxpayer is going to benefit from those recommendations. Even a preliminary survey of their possible effects would indicate otherwise. Neither the pharmaceutical nor any other industry can develop at a desirable rate unless price conditions in the home market are stable. What is wanted is an atmosphere of continuous trust between all connected with the Health Service. That will enable the industry to continue its research and to achieve the hoped-for increase in exports at an even greater rate than it has done (and been commended for doing) in the past. In that way the person for whom the National Health Service was developed—the patient—will receive the greatest obvious benefit, and the taxpayer will derive more benefit from the savings on hospitalisation and on loss of productive time in industry than he pays in expenditure on drugs. Such recommendations as the Public Accounts Committee now makes not only hampers the industry but reduces its incentive to expand.

First Moves Towards New Policies

THE statement by the Council of the Pharmaceutical Society of Great Britain on p. 160 reviews a number of pharmaceutical problems without offering any final solutions. Nevertheless it is a statement that deserves careful consideration by every member of the Society.

The value of the recently established co-ordinating committee for pharmacy, to which the statement makes reference, demands time before it can be properly assessed. The very constitution of the committee makes it necessary that a guiding principle shall be kept permanently in sight at all its deliberations, otherwise the committee may become a mere automaton, reporting sectional interests and contributing nothing. Much the same comment may be applied to the branch subcommittees which the Council considers should be formed to provide foci of pharmaceutical opinion for the guidance of the statutory Local Pharmaceutical Committees.

Recently, as the Council rightly states, there has been greater emphasis on the importance of the qualification as the dominant factor in any formulation of pharmaceutical policy. If that emphasis is maintained, it may well ensure, in both the co-ordinating committee and the proposed subcommittees, an essential element of urgency. vitality and purpose in the proceedings.

It would appear that the Council is also seeking representation, as of right, on the National Health Service (Chemist Contractors) Committee. That step is more controversial, and likely to give rise to grave differences of opinion within the profession. If, on the one hand, the degree representation decided upon left the contractors in control, the strengthening of the Committee in the difficult negotiations ahead would be highly desirable. On the other hand we hold to the view we have expressed in the past that the Pharmaceutical Society is not the organisation best fitted, either by its constitution or by its structure, to conduct the negotiations on behalf of the National Health Service chemist contractors, however useful the contribution it may make at the negotiating table. To sacrifice the obvious advantage of being able to exert pressure from where the shoe pinches for the (until proved otherwise) hypothetical advantage of broad-based representation would be a highly speculative and hazardous procedure.

A History of the

E. H. SHIELDS

BRITISH PHARMACEUTICAL CONFERENCE-6: THE YEARS 1885-86

HEN the Conference met in Aberdeen in 1885 (September 8-10) the attendance (150) might have been better if the International Pharmaceutical Congress had not been held almost simultaneously at Brussels. Apologies for absence were unusually numerous. The general index to the series of Year-books and the Transactions from 1863 was finally approved, in spite of the heavy cost, and members would be asked to pay 2s. 6d. for each copy. Of the 216 newly elected members 150 resided abroad, a significant tribute to the work of the committee and local secretaries, whose missionary zeal called for £9 9s. for postal charges. The new treasurer (Mr. Charles Umney) reported assets, now entirely liquid, of £339, with the Bell & Hills fund a little ahead (£372). The committee still felt it advisable to ask for less lavish entertainment at Conference meeting-places.

A "Plain Scottish Pharmacist"

Mr. J. B. Stephenson was in the chair—elected, so he said, only because they were meeting in Scotland and he was a plain Scottish pharmacist of forty years' standing. Scotsmen, especially those in practice in Edinburgh, were fortunate in the separation of pharmacy from medicine. It had not always been so. He could remember elderly medical men telling of "serving their time" in the dispensaries of their forebears and, in his own early days, he had been sent to the Leith Dispensary to assist during an epidemic. The dispensing "was supposed to be done by the resident surgeon; in reality it was done by the porter." Scottish doctors were glad to be relieved of the burden, and all pharmacists north and south of the border were advised to be prepared, in the fullest sense of the word, to take it up. The new British Pharmacopæia was then only a few days old and adequate comment would have to wait. The change in strength of the liquors from 4 to 4½ grains to the ounce was of doubtful advantage. Presumably it was a step towards the metric system. The absence of any indication of accent in the Latin names was to be regretted but in general the book gave him pleasure. "It bears on every page marks of painstaking and conscientious work." That did not prevent him from skimming it efficiently and coming to the conclusion that it invited and indeed provoked criticism.

The B.P. soon came under fire from other quarters for ordering the alcoholic extract of belladonna root for belladonna plaster—the old green variety still being popular. Mr. Umney thought that the pharmacist's position should be more clearly defined, and Mr. St. Dalmas could see nothing wrong with extract or plaster made from the leaves; he used them both in large quantities and had spread thousands of yards of the plaster. Mr. Martindale differed: the new form was an improvement. In Aberdeen itself, according to Mr. Kay, they went better still by using emplastrum atropinæ. Mr. Peter MacEwan (secretary of the Pharmaceutical Society in Scotland) had been examining commercial samples of oil of eucalyptus and he tabulated their properties against the requirements of the new B.P. An Australian correspondent of the C. & D. in earlier days had com-

mended this oil as "equal to turpentine." A discussion on ergot revealed the persistent uncertainties, doubts and difficulties, but the idea, first suggested by Mr. Groves in 1878, of pressing the coarsely powdered drug into a cake, thus removing part of the oil, was generally approved. There were no uncertainties in Mr. Dott's series of "Laboratory Notes," but every sign of his customary efficiency. An interesting exchange followed a paper on "sublimated serum," inspired by Lister's recent advocacy of gauze impregnated with mercuric chloride. Mr. Stephenson commented that they might have to reconsider their toxicology; he had been taught that albumen was an antidote to corrosive sublimate -but not in too great excess, explained Mr. Groves, recalling a lecture note by Dr. Pereira of many years before. Dr. Paul produced an advance proof of the proposed International Pharmacopæia and replied to some of the oftrepeated criticisms of the project. With something very like satisfaction Mr. Umney noted that the belladonna plaster therein was made from green leaf extract, not the root. Two old problems were raised by papers on the strength of spirit, aether, nit, and the permanence (or otherwise) of ferrous iodide solutions. The paper on the latter subject was described by its author (Mr. A. E. Robinson) as "a deliberate incentive to pharmaceutical discord." After reviewing some of the contradictory opinions previously expressed, he concluded by recommending the addition of a trace of hypophosphorous acid, medical approval having been first obtained, of course. In discussion several speakers revealed the fact that that method was already in use, and they were duly twitted by Mr. Robinson for keeping the news so quiet.

A Venerable Association

In a final session members were reminded that they were meeting under the aegis of a local association which had been in existence long before the Conference was thought of, but the new volumes presented from the Bell & Hills fund would make a useful contribution to the Aberdeen reference library. Mr. Thomas Barclay invited the Conference to meet in Birmingham in the following year and painted an attractive, indeed an irresistible picture of the city's amenities; they would be welcomed at Mason's College, "now rising to eminence," with an old pharmacist (Dr. Tilden) at its head; Birmingham was the toy shop of the world. Nearby were Coventry with its "watches, ribbons, bicycles and tricycles," Kenilworth, Warwick, Leamington and, of course, Stratford-on-Avon, that shrine visited by forty-two Americans every day.

In due course that excellent example was copied and a pilgrimage to Trinity Church, Henley Street and New Place formed part of the next annual excursion. The local committee in Birmingham, quick to take a hint from the executive, also organised an evening reception and conversazione, which proved to be a successful introduction to more serious business. The new chairman (Mr. Thomas Greenish) made it seem very serious indeed. He apologised for the gloom, but as he found so much to discourage he could not be other than critical. The Conference itself was



Mason's College, Birmingham

getting into a rut. There were too few new faces and too many papers read in the absence of their authors and therefore inadequately discussed. The Conference meeting was in danger of becoming a mutual admiration society, whereas it should be assuming much more active duties with a positive impact on pharmacy. He referred with scorn to the growing number of prescriptions for proprietary concoctions of ordinary drugs under such disguises as mist, magnesiae et bismuthi comp. (Jones). Why should they not work out their own list of reliable non-official preparations, to be published in their Transactions and ordered as B.P.C. (British Pharmaceutical Conference)? The idea, already proposed, of a central research laboratory, adequately staffed and equipped, ought to receive their united support. New and little known drugs and improved formulas for existing preparations could then be put forward to the medical profession before they fell into the hands of the "mysterymongers." Nostrums might be condemned, professionally and eollectively, but individual doctors continued to prescribe them. "It is a practice perplexing to every pharmacist and derogatory to the medical profession, which justifies the apprehension expressed by Dr. Quain in his Harveian Oration that 'the art of writing a rational prescription is in danger of becoming lost." As for the new B.P., it represented a diligent gathering of fragments with an absence of applied practical knowledge. Why was there no pharmacist on the Pharmacopæia Committee? Mr. Greenish was in touch with many colleagues of other and more favoured nations, and he could not but feel "humiliation at the position occupied by the pharmacists of Great Britain in respect to the compilation of their national text-book." Turning to educational matters he produced an elaborate scheme in which the country was to be divided into fifteen districts, each under a committee of local secretaries of the Society. It would be the duty of those bodies to ensure that existing facilities were fully utilised, and to substitute activity for apathy where there was no apparent demand. His beloved microseope came naturally into the picture, for he could not refrain from "expressing an individual hope that there may be found some quiet spot where vegetable histology in its application to materia medica may be systematically pursued.'

Capable of Anything

On the following day Professor Hillhouse, of Mason's College, took up that theme, all the more eloquently perhaps because the subject of botany had been jettisoned by the "eollective wisdom of the conjoint colleges of physicians and surgeons." Apparently a body of men capable of such vandalism would be capable of anything. Mr. R. Reynolds developed the idea of a list of preparations to be sponsored by the Conference and moved a resolution in the following terms:—

That in order to secure greater uniformity in composition and strength in non-official remedies, and also to enable the medical profession to prescribe them with definite knowledge of these qualities, and without indicating any particular maker, the Conference undertakes the preparation of a Formulary of non-official remedies.

In support of the motion Dr. Symes drew attention to new drugs such as strophanthus, difficult to obtain and variable in their commercial preparations. Mr. Schacht thought that the responsible body should be the Society rather than the Conference; where was the experimental work to be done? Mr. Naylor hinted that there were many gentlemen present who remunerated themselves from non-official remedies; it was necessary to be both frank and generous in the matter. Several members were afraid that they were in danger of poaching on territory already covered by the "Extra Pharmacopæia," but Mr. Martindale assured them that they were welcome to any help he could give; he still saw a distinct field for his publication. Mr. Groves argued that they had to be guided by the wishes and feeling of the medical profession; how could doctors be persuaded to discontinue the habit of prescribing proprietary articles? Only by putting a good substitute before them, said Mr. Reynolds in his summing up. The resolution was carried nem. con., and Mr. Williams took matters a stage further by obtaining approval for the nomination of a committee of ten,* with power to add to their number and the sum of £25 for initial expenses, to prepare the formulary and report to the Executive Committee.

Those matters of high policy were not allowed to monopolise the attention of the Conference; twenty papers of a more typical nature were presented, including the introduction of a new antiseptic, salol. In a discussion on belladonna liniment Mr. Symes remarked airily that "the indications of the B.P. should only be followed in minute detail when they commended themselves to common sense," a line which commended itself to Mr. Umney for argument with Dr. Redwood. Owing to pressure of new duties, one of the honorary general secretaries (Mr. S. Plowman, now an F.R.C.S.) found it necessary to resign and his place was taken by Mr. W. A. H. Naylor, Mr. Plowman had taken a special interest in overseas connections during his five years of office and the thanks of the Conference were duly recorded. Mr. S. R. Atkins of Salisbury was elected to the chair for the forthcoming year and an invitation to visit Manchester was accepted.

Efforts at Recruitment

During the year the assistant secretary (Mr. Princep) resigned for health reasons and was temporarily replaced by Mr. W. H. Ince. A renewed effort was made to recruit new members, at home by circularising all pharmacists recently registered, and abroad by appeals through local secretaries. To the joy of the executive committee three applications for grants in aid of research were received; from Mr. E. M. Holmes for work on Aconitum napellus, from Mr. W. Elborne, Manchester, (strophanthus and strophanthin), and from Mr. D. B. Dott and Dr. R. Stockman (joint work on morphine derivatives). The new index to the Year-books was selling fairly well, though some members had to be reminded of their obligations. The Formulary Committee elected Mr. Martindale as its chairman, with Mr. Naylor as secretary, and the results of its work were duly approved by the Manchester meeting for publication in the Year-book and also as a separate sixpenny pamphlet which was soon earning a modest profit. In that first edition thirty-six preparations were included, a few being taken from the United States Pharmaeopeia, the Extra Pharmacopæia and Mr. Baily's "Physician's Pharmacopæia," with footnotes by Mr. E. M. Holmes. The formula for pil, ferri, Blaud, was worked out by Mr. T. Maben, Hawick, for he had a paper on the subject, tracing its origin in France and some of its permutations in this country.

* Messrs, Greenish, Groves, Martindale, Symes, Thresh, Martin, Naylor, Maben, Abraham, Reynolds.

A Glimpse of MERSEYSIDE

THIS YEAR'S CONFERENCE VENUE AN AREA OF EXTREME PHARMACEUTICAL ACTIVITY

VISITORS to the British Pharmaceutical Conference to be held in Liverpool, September 10-14, will be in an area where all aspects of pharmacy have been developed. The Liverpool College of Technology and the Liverpool University have a background of pharmaceutical teaching that extends over many years. A number of retail pharmacies can trace their beginnings to events of almost a century ago. Speke, a great industrial estate, and the pharmaceutical industry are almost synonymous, whilst central Liverpool may be regarded as a traditional home of wholesalers. The following is but a brief glimpse of some facets of pharmacy on Merseyside.

Nearly a Century of Wholesaling

AYRTON, SAUNDERS & Co., LTD., 34 Hanover Street, Liverpool, is a long-established Liverpool company operating manufacturing and dispatch units. The company's laboratories occupy spacious premises at 30 Duke Street, while the main seven-story building is in Hanover Street. Founded in 1868, the business developed so rapidly that by 1898 it needed larger premises and the company erected a new building in Hanover Street. The new laboratories, planned in 1914 and completed in 1917, occupied about 35,000 sq. ft. on five

floors. In 1921 the Hanover Street premises were destroyed by fire. They were replaced in the same year. Today the company operates in twenty-four counties in England and Wales, while nearly 50 per cent, of its production of drugs and packed pharmaceuticals is exported. Subsidiary companies in Dublin and Prestatyn have extended the company's activities, and the organisation as a whole handles around 30,000 orders a month and has a staff of over 500.

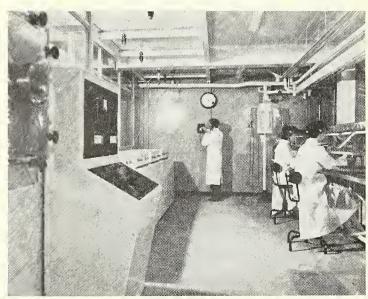
Founded by First Local President

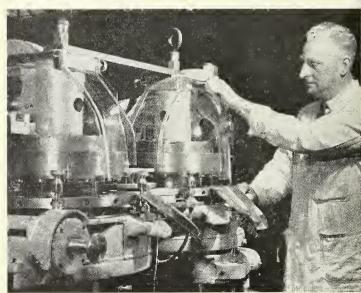
The now exclusively wholesale concern CLAY & ABRAHAM (MNFG.), LTD., traces its origin back to 1813, when Robert Clay had a business in Liverpool. At a later date Clay joined John Abraham, a Quaker with the Liverpool Apothecaries Co., to found the firm of Clay & Abraham in Bold Street. Robert Clay was the first president of the Liverpool Chemists' Association founded in 1849. In 1911 the partnership became a limited company and developed a small local wholesale trade in galenicals, etc. After the 1914-18 war the wholesale side of the business was considerably extended. At the end of 1953 it was decided to divide the business, two entirely separate companies being formed. Two of the directors,

Messrs. G. E. Marshall and Stanley Cunliffe, formed Clay & Abraham (Retail), Ltd., taking over the retail side with premises in the centre of the city. John Rae, also a director of the old company, acquired the wholesale side of the business, trading as Clay & Abraham (Mnfg.), Ltd., with premises in Upper Duke Street. The manufacturing company has confined its activities to the making and distributing of the original company's specialities and new branded products for which there is a good demand not only in Great Britain but also overseas.

Deeply Rooted and Widely Spread

Founded in 1809 the internationally known manufacturing company Evans Medical, Ltd., has grown to an organisation that employs 2,400 employees, one-fifth of whom have been with the company for more than twenty-five years. Products listed and sold under the Evans Medical label exceed 3,000, and the total number of items handled by the warehousing division exceeds 15,000. The company's products include galenicals, synthetic medicinal products and biological preparations. The spacious modern factory at Speke is within easy reach of the Evans Biological Institute at Runcorn, Ches, and of the Evans Fine Chemical Works. Subsidiary





Left: Aseptic filling of ampoules in the virus division of Evans Medical, Ltd. In the foreground is to be seen part of the freeze-drying plant. Right: Checking and testing of a Drycota tablet compressing machine at Manesty Machines, Ltd., Speke,

companies have been formed in Gateshead, Birmingham and Belfast, and there is a large office and warehouse in Ruislip, Middlesex. At the present time the company has more than 100 delivery vans operating throughout the United Kingdom. Over 50 per cent, of the company's production is exported.

A Link with America

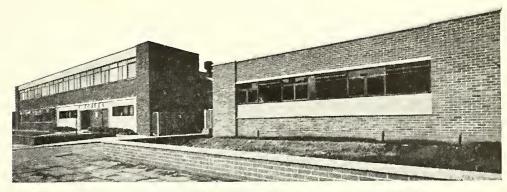
For the ten years from 1949 the pharmaceutical manufacturing company E. R. SQUIBB & SONS, LTD., which is associated with the Olin Mathieson Corporation in the United States, occupied factory and office buildings at Woodend Avenue, Speke. In May 1959 the company moved into a new and larger factory and office accommodation in Edward's Lane, Speke, and now employs nearly 200 factory and office staff. Using basic raw materials the company formulates, manufactures and packages coated and compressed tablets, capsules, creams, ointments, lotions, elixirs and syrups. In the factory a corticosteroid aerosol spray is now made and filled. In September 1961 it completed the building and equipping of a pharmaceutical research laboratory. Pharmaceutical products of the company are exported to over seventy Commonwealth and other countries.

A Record of Accelerating Expansion

Continuous expansion aptly describes the activities of the DISTILLERS CO. (BIOCHEMICALS), LTD., organisation at Speke. Since the company took over the factory from the Government in 1947 new antibiotic and vitamin products have been introduced and the company has extended its range to synthetic drugs and animal feed supplements. There are also a pharmaceutical research laboratory and offices dealing with the marketing and selling of the company's products, which are dispatched to all parts of the world. In 1959 a new research and development and pilot plant was built, designed to study every conceivable method of antibiotic extraction, and at the beginning of 1960 a pharmacological laboratory was completed. Recently a new crystallisation building designed for sterile operations was necessary and has been constructed.

In the Family for Many Years

The firm of Thompson & Capper was founded in 1798 by Thomas Thompson, who in 1832 was joined by his son, the firm becoming known as Thomas Thompson & Son. It became known as Thompson & Capper only in 1843, and continued under that name until it was turned into a limited company in 1912, with Alderman Edwin Thompson as governing director. After the sale of a number of retail branches, the title became Thompson & Capper WHOLESALE, LTD. For many years the company's headquarters was at Manesty Buildings, College Lane, Liverpool, but later transferred to its present premises at Speke, Liverpool, 24. For many years the company was concerned with tableting machines and water stills, which were issued under the Manesty trade mark, but disposed of that side of the business in order to concentrate on the manufacture of



A view of the laboratories and offices of E. R. Squibb & Sons, Ltd., Speke.

tablets and a number of compressed proprietary specialities.

Tablet Machines of World Repute

A world-wide reputation as manufacturers of tablet and compressing machines and associated equipment is enjoyed by MANESTY MACHINES, LTD., Speke, Liverpool, 24. Manesty tablet machines were put on the market as one of the activities of Thompson & Capper, but are now manufactured by a wholly owned subsidiary of John Holroyd & Co., Ltd. Some of the machines are made at the company's Milnrow, Rochdale, headquarters but other models as well as a range of automatic water stills are made at Speke works. The present building covers about three acres and employees number over 200. At the Milnrow Works a further 700 or so are employed, but only part of that number is engaged on the production of tablet machinery. The company manufacture mixers, coating pans and granulators and in addition make under licence the Manesty Fitzmill, a stainless steel comminutor. In addition to a tray drier, a fluid bed diffusion dryer is now in production and a laboratory model has been announced.

One of Oldest Northern Drug Houses

Main activities of the business of ROBERT SUMNER & Co., 40 Hanover Street, Liverpool, which was founded in a small laboratory and a warehouse at 50 Lord Street, Liverpool, in 1844, were the making of concentrated mixtures, pills, and tablets, and the supply of crude drugs, dressings and surgical instruments. In 1915 the business was transferred to larger premises in Han-over Street, and the company extended its activities to the wholesaling of pro-prietary and patent medicines. The company's considerable reputation has been built upon the special emphasis it has placed on personal service to the pharmacist for, in addition to normal deliveries, it operates a special prescription delivery service by means of which pharmacists are assured of obtaining, at short notice, any preparation that may be called for on prescription but which they do not have in stock.

Progress in a Competitive. Field

The Liverpool branch of MAY ROBERTS & Co., LTD., was opened in 1921 and has shown steady progress in spite of considerable competition. In 1933 the company became associated with Sangers, Ltd., and in the following year took over the Liverpool area activities of Francis Newbery & Sons,

Ltd. The branch maintains close cooperation with other companies in the Sanger organisation, especially with John Thompson (Wholesale Druggists) 1921, Ltd., in order to ensure a satisfactory service to pharmacists in the Liverpool, St. Helens and Wigan areas.

Services Maintained

JOHN THOMPSON, WHOLESALE DRUGGISTS 1921, LTD., occupy modern premises in Duke Street, Originally founded in 1874 by John Thompson in small premises at 31 Hanover Street, the business was so successful that nine years later larger premises were needed and obtained at 58 Hanover Street. In 1921 a new company was formed and the business transferred to its present address. In 1937 the premises were extended and a new laboratory added. During 1941 two-thirds of the premises were destroyed by enemy action. Nevertheless services were maintained until November 1958, when the present premises were occupied.

Transferred from the City

Since 1927 there has been a distribution depôt in Liverpool for The British Drug Houses, Ltd. For many years it was situated in Nelson Street in the heart of the city, until the need for more extensive accommodation resulted in the acquisition of a site and the erection of premises at Shore Road, Speke. From those premises B.D.H. products are distributed throughout most parts of North-west England, parts of Scotland, North Wales and Northern Ireland.

Further Changes Planned

The pharmacy of Mr. J. Farrer Barnes, 303 Aigburth Road, was established in 1848. A major interior altera-



A neat combination of African hard wood and ceramic tiles at the pharmacy of Mr. J. Farrer Barnes, 303 Aigburth Road, Liverpool, 17.





At left: An interior view of the pharmacy of Sheldons (Chemists), Ltd., 511 Lord Street, Southport. At right: The emphasis on timber in the pharmacy of John Nelson, Ltd., 42 Fenwick Street, Liverpool.

tion is planned but the apparent lack of enthusiasm by the contractors to begin may mean that the conversion is not finished as was hoped, before the Conference meeting takes place. However, the first phase, that of rebuilding the shopfront, has been successfully completed. A small window on the left is surrounded by black tiles, and a carboy emphasises the professional outlook of a one-time member of Council of the Pharmaceutical Society and chairman of its Ethical Committee. The design combines the use of an African hard wood with a white-lettered blue facia that spans the frontage. Above that, the hard wood provides the background for further white lettering proclaiming "The Aigburth pharmacy, established in 1848. At the other pharmacy owned by Mr. Farrer Barnes at 278 Aighurth Road, the endeavour has been made to compromise between old and new ideas of pharmacy layout. The window backs were removed and "we are still experimenting in a new form of window dressing." Being at a corner the pharmacy has three large windows, and the open plan has caused problems of display and storage. Facing the door is a dispensing screen, behind which is a dispensary whose bright blue walls set off admirably the fixtures. Ample storof admirably the fixtures. Affine storage space is available in the rooms behind and above the pharmacy—including a room "for all those preparations that are no longer medically fashionable," for Mr. Farrer Barnes insists that only clean stock in current demand is kept on the shelves of the demand is kept on the shelves of the pharmacy.

A Do-it-yourself Enthusiast

The window of the pharmacy of MR. J. C. LEIGH, 241 Walton Village, Liverpool, 4, may give different impressions on different occasions, for it is his practice to display either "ethical" products or toiletries and cosmetics, but rarely both at once. A do-it-yourself enthusiast, Mr. Leigh has rebuilt the pharmacy, which was founded by his father in 1906, using a proprietary shelving encased by fittings that he has made himself. In his busy suburban shop Mr. Leigh prefers a free area as large as possible for customer use, and the space behind the counters is

therefore somewhat restricted. To reach the dispensary from the shop it is necessary to climb three or four steps, a drawback that would have been overcome long ago if lowering the floor could have been tackled as a do-it-yourself job.

An Ex-president's City-centre Pharmacy

There is an air of tradition and maturity about the pharmacy that trades under the name of W. Burgess, Ltd., at 64 Whitechapel, Liverpool, I, and is under the proprietorship of Mr. W. J. Tristram (a member of Council and former president of the Pharmaceutical Society). The business was founded in 1813, and was acquired by Mr. Tristram in 1920. The pharmacy is close to the Adelphi Hotel, where property values are high, and is of restricted dimensions. The wall fittings reflect the great care taken in their preservation.

Emphasis on Timber

In an old quarter of Liverpool, the pharmacy of John Nelson, Ltd., 42 Fenwick Street, was rebuilt about six months ago. Designed by J. Roy Parker, a local architect, the shop achieves a pleasing effect within a relatively small area. Its armour-plated glass door, with a broad strip of marble at arm height and satin chrome letterbox, is flanked by two open windows, the larger of which contains the unusual and unexpectedly attractive feature of an upright black-painted steel supporting girder. The ceiling of the pharmacy has been given decorative rafters fitted edge-wise, with lighting in the intervening spaces. adjustable wall shelving and counter are in one of the newer hardwoods, and there is an emphasis on timber throughout. Two small carboys reside on shelves behind the counter, and a number of old syrup bottles are also given prominence.

A Modern Frontage

Unusual in that the pharmacy has a small office partitioned off in the area usually devoted to selling, the pharmacy of CLAY & ABRAHAM (RETAIL), LTD., 30 Exchange Street East, Liverpool. 1, was opened in April. Most of the fittings were brought from the com-

pany's recently closed Dale Street premises. The pharmacy has a modern frontage and a backless mahogany-framed window with a number of small frosted glass windows above. Through an open door leading to the dispensary, customers can see the shelves on which stand the traditional drug rounds in the dispensary, which is situated at the rear of the shop. On the top of a wall fixture there is a small photograph of Mr. Clay, one of the founders of the business.

Three Aspects of Pharmacy

The Prebble family enjoy pharmacy and make their enthusiasm evident to customers at their premises at 187 Kensíngton, Liverpool, 7. A pharmacy first existed on the site in 1830, but it was 1889 before Mr. Ernest Prebble (father of the present chairman of the company, Mr. Harry Prebble) took over the business. His son, Mr. Ernest Prebble, is also a pharmacist, and a younger son, John, may claim to have achieved two-thirds of that status, for he is a third-year student at the Liverpool school of pharmacist. macy. Rows of neatly arranged shop rounds immediately symbolise the traditionally pharmaceutical character of the business, which has, however, developed in three distinct directions. A substantíal retail business is coupled with a higher-than-average level of National Health Service dispensing. An associate company, Prebbles (Medical), Ltd., is concerned with the supply of goods and equipment to most of the leading passenger shipping lines in the Liverpool area and to many industrial organisations. A substantial veterinary business has also been developed. Behind the dispensing screen in the shop a small lift connects with the large dispensary on the floor above. Storage and warehousing occupies two other floors and a basement. With the exception of tablets, as many preparations and products as possible are made on the premises.

A Spacious Effect

The increased trading that has resulted from a two-year-old decision to refit his pharmacy has made the decision well worthwhile, says Mr. G. L.

CLUBB, 142 Smithdown Road, Liverpool, 15. Features of the change are the removal of existing window-backs and the ehoice of decorated steel shelving for the wall fixtures. The eounters are covered in plastic so as to resemble the button-leather upholstery of less harassing days, and the light blue finish of the fittings and fixtures provides a spacious effect that is further enhanced by the low counters which widen the customer's view of the goods on display.

Mr. Clubb eonsiders that the optimum effect of the new design is obtained only when the lighting is switched on. The lowered yellow ceiling, with its seven inset lighting panels, and the four modern spotlights in each window provide an extremely effective display, especially when supported by canopy lighting above the shelves.

An Impression of Efficiency

In a commanding position at the junction of a number of crossroads the bright and attractive pharmacy of A. S. FURNISS, LTD., 53 Prescot Road, Liverpool, 13, immediately gives an impression of extreme efficiency. The fittings may be said to be traditional, but the counter space is not used expressly for display purposes. The emphasis is on the cosmetic and perfumery departments of the business but professional aspects are not forgotten.

A Large Frontage

"There is a lot to be said for a counter over which the pharmacist can speak to his customers," says Mr. A. L. SAUL, Derby Lane, Liverpool, who has reservations about the place of self-service or self-selection in the chemist's shop. It is not, therefore, surprising to find three counters in Mr. Saul's pharmacy, which has a 40-ft. frontage and large windows on either side of the door. It was refitted some years ago.

A Pharmacy for More than a Century

The entrance to the pharmacy of R. CAVE, LTD., 52 Nevill Street, Southport, has been designed to prevent prevailing winds bringing sand from the seafront into the shop. Now owned by Mr. John Dyson, the pharmacy dates back to around the year 1859 Most of the fittings are original and in the ubiquitous mahogany. On entering the pharmacy a customer's attention is immediately held by the open dispensary, at the end of which is a white-tiled wall. Behind one of the counters is a large bow-fronted wall fixture, and on a shelf on an opposite wall is a white leech jar that was fea-tured in a film made in the pharmacy some time ago. The company has a branch pharmacy in Burton's Arcade, Southport, that is noteworthy for its seven windows and interior height.

Wood and Wrought Iron

Metal and wood have been happily blended in the pharmacy of Sheldons (Chemists), Ltd., at 511 Lord Street, Southport, which was taken over by Lionel M. Sheldon in 1948. The pharmacy was originally opened by James Righton in 1875, and many of the original fittings are still to be seen. Above the run of drug drawers, however, three shelves have been replaced by new display cases. The uppermost shelf sup-

ports a number of old blue ointment jars. After a burglary about four years ago Mr. Sheldon removed the window backs to discourage a repeti-The base of the window is arranged on four different levels that assist in the preparation of attractive window displays, and a row of relatively modern ointment jars form a pleasing display along the wall of the right-hand window. The colour scheme is Wedgwood blue and white. Special features are the large display units of wood and wrought iron that have been made for each of the drug and pro-prietary counters. The base of each unit is deep enough to enclose electric lighting, and its upper surface is covered with decorated glass. At each end of the corners are upright wroughtiron bars that support a shelf which provides space for an almost permanent display of vacuum flasks and similar products.

Refitted in 1961

Mr. N. J. Fleming believes that pharmacy is rather too complicated a business to be run on a customer-self-selection basis. He prefers to guide eustomers to a position in front of a range of products and help them to make their choice. When, therefore, he re-organised and refitted his pharmacy in which he trades as HAROLD BARTON (CHEMIST), LTD., 163 Lord Street, Southport, he chose Nordia fittings. Street. The light maghogany-framed window of the pharmacy is largely backed but designed to be be dressed horizontally on two levels, a system that Mr. Fleming admits does not make it easy for the window-dresser achieve a satisfactory result. A blue wall in the window area carries an Adam motif picked out in white and harmonising with the shop ceiling, which was "rediscovered" when the when the building alterations took place. end wall of the shop, painted a dark blue, contrasts strikingly with the re-maining off-white walls behind the open shelving. On the left-hand wall are open shelves interspersed with three units fitted with glass doors and containing the more expensive toilet products. On the floor area are two display gondolas and four small coun-

A Combined Venture

Formed as a private company in 1955, when about thirty local employer and employee pharmacists combined to provide a late night dispensing service, the Associated Birkenhead Chemists, Ltd., Argyle Street, Birkenhead, is an outstanding success. In the beginning oldfashioned premises were obtained in the centre of the town, and Myers of Old Street were asked to install a modern pharmacy with an ethical front, sales space, and waiting room at the rear. Ample storage space was provided by a cellar and two upper storeys. On the top floor, a room has been set aside and converted into a meeting room used by the directors. The pharmacy is open on six days per week from 8.45 a.m. to 10 p.m., with a service on Sundays and Bank Holidays from 3 p.m. to 7 p.m. The managing director and a permanent staff are on duty during normal hours, the shareholders taking a rota duty to

relieve the pharmacist from 6.30 to 10 p.m. with extra assistance from the staffs of shareholders' own pharmacies. At least one unqualified member of the permanent staff is always on duty during the time that the pharmacy is open. That is made possible by a rota system which allows employees time off on one full day per week. There are now almost forty shareholders, all of whom must be pharmacists, and most of whom do a rota duty on two nights each month. The company prides itself on carrying a complete range of "ethicals" for dispensing, most "new comers" being taken into stock immediately. The system works very well, and is much appreciated by local practitioners and patients. Apart from paying a healthy dividend annually, all rota duties are paid for, and staff bonuses provided. There is no doubt that this idea engineered by the Sheffield pharmacists is an answer to a comprehensive National Health Service pharmacy.

Liverpool Hospitals

The Liverpool region contains some nincteen hospital groups, arranged geographically to ensure, so far as possible, a complete hospital service, with all its specialist facilities, for each locality. The region embraces the heavily populated South-west Lancashire plain from "seaside" Southport in the North, through rural Ormskirk to industrial Warrington in the South. Also within its boundaries are the Wirral peninsula and the county borough of Chester, together with the Liverpool United Hospitals and their long tradition of medical teaching and close links with the University. Altogether they can accommodate over two million people.

To be Replaced

Liverpool Royal Infirmary, built in 1748 on the site where St. George's Hall now stands, has occupied its present position adjacent to the University since 1890, when it was opened by H.R.H. Duke of Clarence and Avondale. The "Royal" is the oldest and the largest unit in Liverpool's teachinghospital group, has a training school for nurses, and was the first Night-ingale school outside London. In close proximity to the Infirmary are other group hospitals-The Royal Liverpool Children's, Ear, Nose and Throat, Women's and Maternity. Three other general hospitals (the Royal Southern, David Lewis Northern and Stanley) are sited some distance away. The Dental Hospital has no pharmacy, but is adjacent to the Royal Infirmary, in which all pharmaceutical work is done. pharmacy department at the Royal employs five pharmacists and two assistants-in-dispensing, with two students, a clerk and porters. It deals with about 110,000 out-patients annually, and has 375 beds. It has been obvious for some time that the increasing amount, and different type, of work of the department today has created a need for more up-to-date pharmaceutical accommodation, but not much has been done in that respect, as a new teaching hospital is to be built on a nearby site. Plans are well advanced for that project, with a modern pharmacy placed centrally on the ground floor.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

USE OF DESIGNATORY LETTERS

Council reminds members of 1954 "guidance"

COURSE of action adopted in 1954 provided the basis for the decision of the Council of the Pharmaceutical Society at its meeting in London on July 31 and August 1, when the use of designatory letters by members of the Society was discussed. The topic arose during consideration of the minutes of the Organisation

The Committee recommended publication of the following statement:-

"LAST month the Council received a letter from the Privy Council concerning the use by some professional bodies of designatory letters for grades other than those implying cor-porate membership and deprecating this development. The porate membership and deprecating this development. Council replied that the policy of the Society was in accordance with the view of the Privy Council. In that connection the Council desire to draw attention to an increasing tendency for members of the Society to put after their names the letters "Ph.C." and "M.P.S." thus giving the impression that two qualifications are held. The Council strongly deprecates that practice and remind members of the guidance on this matter given in February 1954 in connection with the change in the law relating to the use of titles by pharmacists:

'In the past there has been no uniformity of practice in the use for business purposes of the titles which have so far been available to pharmacists as distinctive titles and it may be that it should be left in future, as in the past, entirely to the discretion of each pharmacist what title or titles he should use even though this means, as it would do, an increase in their variety. On the other hand there is a good deal to be said for at least a reduction in the variety of titles used and "Pharmaceutical Chemist" or "Pharmacist" suggested themselves as the most suitable. There is little to choose

between the two.

Before the Pharmacy Act 1898 only pharmaceutical chemists could be members of the Society, chemists and druggists being admissible only as associates. The abbreviations "M.P.S." and "A.P.S." by being in conformity with the normal practice of professional bodies served to indicate the professional status as distinct from the legal status of these two classes of qualified persons, Membership of the Society was at the time voluntary and if a pharmaceutical chemist did not desire to be a member he could use the abbreviation "Ph.C." though the meaning of this as indicating status within the profession

After the Pharmacy Act 1898 membership of the Society became open to chemists and druggists and associateship ceased. There was, however, no new status provided for pharmaceutical chemists within the Society to distinguish them from chemists and druggists as membership had done previously. Consequently "Ph.C." became the bership had done previously. Consequently "Ph.C." became the only way in which this distinction could be shown in a shortened

By the Pharmacy and Poisons Act 1933, all registered persons became members of the Society and now that the Pharmacy Act 1953 has unified the legal status of pharmacists and a fellowship of the Society has been created, it is possible for the Society to fall into line with normal professional practice and to adopt a formula which would give a clear indication of status within the profession on the one hand, the legal status on the other. This is to use as abbreviations only "M.P.S." and "F.P.S.", "pharmaceutical chemist" being used in full if it is desired to use it as a description of the qualification held. The following comparisons illustrate the formula:-

M.P.S. (or F.P.S.), Pharmaceutical Chemist., M.R.C.V.S. (or F.R.C.V.S.), Veterinary Surgeon., L.D.S., R.C.S. (or F.D.S., R.C.S.), Dental Surgeon.

While dealing with the subject of titles the Council desire to point out that they would deprecate the use of "fancy" titles such as "pharmaceutical dispensing chemist" and would also draw the attenpharmaceureal dispensing chemist and would also draw the attention of members to the following paragraph in the Statement upon Matters of Professional Conduct: "Descriptions such as 'M.P.S. (Lond.)," 'Prescription specialist,' and 'leading chemist,' which are inaccurate and draw an invidious distinction between pharmacists, should not be used "'."

Branch Secretaries' Meeting

MR. H. WILLIAMS expressed the opinion that the October meeting of branch secretaries would be the most important ever held, "because so many things are in the melting pot." He hoped the importance of the meeting would be emphasised so that as many secretaries as possible might be present. The business to be discussed at the meeting includes

the relations between the Council and branches, and proposals to be outlined to the branch secretaries include:

- (1) That branches be linked to the Council by the appointment by the branch representatives' meeting of representatives to serve on the Organisation Committee:
- (2) That branches participate to a greater extent in the affairs of the Society at the local level.
- (3) That county and county borough areas be the geographical basis of the branch system.
- (4) That it is desirable that local pharmaceutical organisations be unified as far as possible.
- (5) That a regional organisation be established.

A report was given on discussions which had taken place following the Society's symposium on clinical trials held in April. The discussions were a corollary of the symposium and aimed at sounding authoritative opinion as to the best way of organising the testing of new drugs in relation to toxicity and therapeutic claims.

- Education

It was reported that the required period of sixty days since the publication, in the Society's journal, of the proposed alterations to Section XIX of the by-laws concerning the registration of overseas pharmacists had expired, and that no observations on the proposal had been received. Confirmation of the proposal was recommended, and that the alterations made should be submitted to the Privy Council for confirmation and approval.

MR. J. B. GROSSET presenting the minutes of the Public Services Committee stated that the committee had taken note of the recent award of the Industrial Court to hospital pharmacists and had decided to appoint a subcommittee

to consider the award and its implications.

The Publicity Committee submitted recommendations on its future, made in the light of experience gained since the Committee was established. The recommendations concerned the name, status and programme of work and staff arrangements needed. It was proposed that the Committee should become an advisory body, with the name Publicity Advisory Committee, that it should report to a Standing Committee of the Council, and that the personnel of the Committee should reflect that change. The recommendations were adopted by the Council.

Minutes of meetings of the Benevolent Fund and War Aid, Publications, Law and Ethical Committees held on July 31, of the Co-ordinating Committee for Pharmacy held on May 4, the Codex Revision Committee on July 6, and the Veterinary Committee on July 11, were received and

the recommendations adopted.

NEW BOOKS

Merck Veterinary Manual

Merck, Sharp & Dohme, Ltd., Hoddesdon, Herts (for Merck & Co., Inc., Rahway, N.J., U.S.A.). Second edition. Pp. 1630. 72s. 6d.

THE manual has been designed to provide the veterinarian with a brief, convenient yet adequate source of authoritawith a brief, convenient yet adequate source of authoritative and up-to-date information on the diagnosis, treatment and prophylaxis of diseases of animals kept for use or pleasure. It thus provides a useful work of reference for pharmacists interested in veterinary subjects. Particularly commendable is a 70-page formulary of established medicinal remedies. The first part of the manual is devoted to diseases of large and small animals. Discussions follow on the toxicology of insecticides rodenticides herbicides and the toxicology of insecticides, rodenticides, herbicides and other potentially poisonous sources. There is a special section on diseases of poultry.



Coughs and colds are on the way... get the OWBRIDGE'S in!

Don't be caught this year! Last winter chemists throughout the country were taken by surprise when bad weather suddenly arrived. There were more customers than there was Owbridge's – and we received many requests for rush deliveries. May we suggest you order your stocks of this famous cough remedy early?

OPERATION OWBRIDGE WILL BOOST YOUR SALES THIS SEASON!

This year Owbridge's are mounting a hard-hitting advertising campaign to help you do even better out of this seasonal demand. The message telling them to 'have the Owbridge's handy' will be featured in mass-circulation dailies, Sunday papers and women's magazines all through the autumn and winter. It will remind the public to buy early. It will tell them that you have Owbridge's in stock!

TIE IN WITH OPERATION OWBRIDGE-HAVE AMPLE STOCKS IN HAND-see what Owbridge's does for you this winter!

W. T. OWBRIDGE LIMITED OSBORNE STREET · HULL





TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

London, August 15: In an otherwise dull week for Crude Drugs, Pepper and Turmeric prices showed a considerably firmer tone following enewed buying interest. Some of the gains in pepper, however, were lost ater in the week.

Quotations for GINGER and other SPICES were held at around previous evels. The collection of botanicals in the United States is reported to have been normal in some areas but in others the employment situation has ended to offer more opportunity for other work and has thus drawn potenial collectors away from the gathering of roots and herbs. It remains to be een whether this will cause shortages which would tend to boost prices. Quoations for Chinese and Brazilian Men-HOL continued to fall, the duty-paid price for spot Chinese being now 50s. per lb. Formosan menthol. however, for shipment was dearer by one shilling per lb. at 28s. 6d., c.i.f. There were no changes to report either in the stock position or prices of SENNA on the spot. So far as the forward position was conerned a report from Tuticorin indicates nigher prices for both leaves and pods and of a great scarcity of pods. Shipments during July from that port were as follows:

	U.K.	U.S.	EUROPE
ENNA	Tons	Tons	Tons
LEAVES	16	34	148
PODS	2	2	56

The higher prices ruling for COCHIN-EAL has again forced up the price of CARMINE by 7s. a lb., bringing it to 96s. or 1-cwt. lots.

The same pattern as seen of late for ESSENTIAL OILS continued with LEMON-GRASS falling by 1s. 3d. per lb. on the spot and by ninepence for shipment. CITRONELLA, on the other hand, continued to advance with Ceylon valued at 7s. 6d. on the spot (up fourpence-halfpenny). A firmer tone was displayed by both Chinese and Spanish EUCALYPTUS and PETITGRAIN advanced threepence a b. for shipment. Lower per 1b. were Bourbon Geranium at 95s, to 110s, per b. (against 100s. to 120s.) and PATCH-DULI at 19s. 6d., c.i.f. (against 21s.).

SILVER rose sharply in the London pullion market, reaching 92d. per ounce, the highest price for nearly half a cen-

Cheap imports of PHTHALIC ANHY-PRIDE, which continue to arrive, are naving a disturbing effect on domestic producers. Application for the imposi-tion of anti-dumping duties on such im-ports has been made to the Board of Trade who are considering the matter see p. 158).

Pharmaceutical Chemicals

ACETYLSALICYLIC ACID. — One-ton lots, 4s. $0\frac{1}{2}$ d. per lb.; 5-cwt., 4s. 5d.; 1-cwt., ls. 8d.

ALUMINIUM ACETATE.—B.P.C. in 1-cwt. sacks, 1s. 9d. per lb.

p-Aminosalicylic acid. — Sc 17s. 6d. per kilo for 1,000-kilo lots. CALAMINE.—Five-cwt. lots, 1s. 10d. per b.: 1-ton, 1s. 8\frac{1}{2}d.

CARMINE.—One-cwt. lots quoted at 96s.

Chlorophyll.—Water soluble, 100 per cent., 280s. per lb.; oil soluble, 25s. per lb. DICOPHANE. (DDT). — One ton lots.

2s. 2d. per lb. ETHER. — Per lb. in winchesters: B.P. TECHNICAL, B.S.S., 5-cwt., 2s. 9d.; (4s. 4d. per litre). In drums the price is 2s. 1d. per lb. Anæsthetic, B.P., 6-cwt., 3s. 11½d.; 10-cwt., 3s. $7\frac{1}{2}$ d.

FORMALDEHYDE.—B.P. solution, 5 drum lots, 755s. per ton in free drums, delivered.

ZINC CARBONATE. — One-cwt. lots, 1s. 11½d. per lb. 1-ton, 1s. 8d.
ZINC CHLORIDE. — B.P.C. cake, 7s. per lb.; sticks, 7s. 10d. Technical, 115s. per

ZINC OXIDE. — Two-ton lots B.P. grade, £92 10s. per ton; 1-ton, £93 10s.

ZINC PEROXIDE. — One-cwt. lots of B.P., 5s. 3d. per lb.

ZINC SULPHATE. — B.P., 1-cwt. lots, 1s. 6d. per 1b.

Crude Drugs

AGAR.—Kobé No. 1, 12s. per lb. in bond; shipment, 11s. 3d., c.i.f.

CARDAMOMS.—Aleppy greens, 8s. 3d. per lb., spot; shipment, 7s., c.i.f.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 5s, 8\frac{3}{4}d.; 3 O's, 4\frac{1}{4}d.; O, 5s, 0\frac{3}{4}d.; quillings, 3s, 8\frac{1}{2}d.; featherings, 1s, 10d.

CLOVES. — Zanzibar spot, 3s. per 1b. for standard grade; shipment, 2s. 8½d. c.i.f.

Cochineal.—Canary Isles black-brilliant 9s. per lb. Silver-grey, nominal. Peruvian, silver-grey, 7s. to 7s. 6d. nominal.

GINGER. — (Per cwt.). African spot 435s.; shipment, 420s. per cwt., c.i.f. Jamaican No. 3, spot. 615s.; shipment, 585s., c.i.f. Cochin, spot, 210s.; shipment, 210s., c.i.f.

GUM ACACIA. — Kordofan-cleaned sorts, 147s. 6d. per cwt., spot; shipment, 138s.,

HENNA. — Indian, spot, about 95s. per cwt.; shipment, 58s., c.i.f.

Honey. — (Per cwt.). Australian light amber, 100s. to 105s. and medium amber supplies short at 95s. to 100s. Argentine, 122s. 6d. to 127s. 6d.; Jamaican, 115s. to 120s.; Canadian clover, 150s. to 155s. Mexican, 110s. to 115s., ex warehouse.

IPECACUANHA. — Spot cleared, Shipment (c.i.f.); Colombian offering at about 60s. 6d. per lb.; Costa Rican, 80s. 6d. nominal.

MENTHOL.—Chinese: spot. 50s. per lb. duty paid; September-October shipment, 45s., c.i.f. Brazilian, 30s. in bond; 29s., c.i.f. Formosan, 31s. 6d. in bond; August–September shipment, 28s. 6d., c.i.f.

PEPPER.—White Sarawak spot, 3s. 1½d. to 3s. 3d. per lb. as to quality; shipment, 3s., c.i.f. Black Sarawak spot, 2s, 7½d.; shipment, 2s. 4d., c.i.f. Black Malabar, 300s. per cwt.; spot; shipment dearer at 285s., c.i.f.

PEPPERMINT. — Dutch whole leaves, 3s. per lb., c.i.f

Pimento.—Spot, 616s. per cwt. nominal; shipment, 500s., f.o.b.

Podophyllum.—Emodi, no offers, Peltatum, 365s. per cwt.

PYRETHRUM. — Extracts—partially dewaxed, 25 per cent. pyrethrins, 74s. 6d. to 65s. 6d. per lb.; decolourised dewaxed, 20 per cent., 66s. 6d. to 59s. 4d. per lb.

SEEDS.—(Per cwt.) ANISE.—Syrian, 275s., in bond. Caraway.—Dutch, 162s. 6d., duty paid. Celery.—Indian, 265s., shipment, 240s., c.i.f. Coriander.—Moroccan, 60s., duty paid; Indian, 55s.; shipment, Moroccan, 42s. 6d., c.i.f. for August-September shipment. Cumin.—Cyprian, 165s.; Iranian, 155s., duty paid; shipment Iranian, 127s. 6d., c.i.f. Dill.—Indian, 87s. 6d.; shipment, 67s. 6d., c.i.f. Fennel.— Indian, 115s.; shipment, 105s., c.i.f. Fenugreek.—Moroccan, 75s., duty paid; shipment, 48s. 6d., c.i.f. Mustard.—English, 72s. 6d. to 90s., according to quality.

Turmeric.—Madras finger now quoted at 150s. per cwt. spot; shipment, up to 155s., c.i.f., quoted.

Waxes.— (Per cwt.). Bees'.—Dar-es-

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 430s.; shipment, 425s., c.i.f. Abyssinian, spot cleared; shipment, 390s., c.i.f. Sudanese, spot, 420s.; shipment, 380s., c.i.f. Candelilla, spot, 465s.; Carnauba, fatty grey, spot, 380s.; shipment, 342s. 6d., c.i.f.; prime yellow, spot, 605s.; shipment, 580s., c.i.f.

Essential and Expressed Oils

ANISE.—Chinese, 19s. 3d.; per lb., spot nominal; afloat 19s., c.i.f.; shipment, August-September, 18s. 9d., c.i.f.

CINNAMON. — From quillings, best English-distilled is 650s. per lb.; other B.P. oils from 85s. per lb. Ceylon leaf, 12s.; Seychelles, 7s. 6d. spot.

CITRONELLA. — Ceylon, spot, 7s, 6½d.; shipment, 7s, 5½d. per lb., c.i.f. Formosan, 10s. 3d. in bond, nominal; August shipment, 9s, 9d., c.i.f.: Chinese, 9s, 1d., c.i.f.; spot 9s, 9d. in bond.

EUCALYPTUS.—B.P., 4s, 9d, to 5s, 3d, per on spot for 70-75 and 80-85 respec-

GERANIUM.—Bourbon; 95s, to 110s, per lb. on the spot.

Lemon. — Californian cold-pressed from 17s. per lb. spot. Sicilian, machine-pressed, 24s. Terpeneless, 320s.

LEMONGRASS.—Spot, 13s. 9d. per lb.; August-September, 12s. 6d., c.i.f. PATCHOULI. — Penang is 23s. 6d., duty paid and 19s. 6d., c.i.f., per lb.

PEPPERMINT. — Arvensis: Chinese spot, 24s.; shipment, 19s. 6d., c.i.f. Brazilian spot, 10s. 6d.; August–September shipment, 9s. 6d., c.i.f. *Piperita:* Italian, 48s. per lb., spot, American from 26s, to 28s. per lb. as

PETITGRAIN.—Paraguay, 18s. 6d. per lb., spot; shipment, 17s. 9d., c.i.f.

UNITED STATES REPORT

NEW YORK, AUGUST 14: The sharp rise in bullion costs have been reflecting in price advances for SILVER SALTS.
MENTHOL prices eased, the Brazilian dropping 10 cents to \$4.55 a lb., and the Japanese 15 cents to \$8.10. Bella-DONNA LEAVES were reportedly firmer on spot with the price up five cents to 32 cents per lb., and quotations for shipment from abroad also higher. PERU BALSAM at 90 cents was down five cents per lb. Resale prices for Formosan CITRONELLA OIL advanced to \$1.50 a lb., up 15 cents, following Formosan typhoon reports. Also higher per lb. among Essential Oils were Lavan-DIN at \$1.70, up 10 cents, and East-Indian Sandalwood, at \$22.50, up 25 cents. Native Lemongrass turned lower on spot to \$3.20 a lb., down 30 cents, after a fall in lemongrass oil imported from India.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents)," August 1
Esters of N-substituted carbamic acids, Farbenfabriken Bayer, A.G. 906,183.

Preparations for influencing plant growth, Philips' Gloeilampenfabriken, N.V. 906,118.

Surgical appliances for the treatment of tendons

and ligaments in the horse. J. P. Pickering. 906,257.

Sanitary pad or napkin. Cartiera di Cairate, S.p.A. 906,489.

Dielectric heating equipment or medical diathermy equipment, Radyne, Ltd. 906,171.

Diaphragin for a photographic camera, Agfa, A.G. 906,363.

Photographic developing and fixing composition process. Cormac Chemical Corporation. 906,034.

Photographic cameras. R. Heidecke and H. Franke. 906,495.

Photographic printing, Ilford, Ltd. 906,146. needles. American Cvanamid Co. 906.488.

From the "Official Journal (Patents)," August 9 Pharmaceutical Compositions, Wallace & Tiernan, Inc. 907,021.

Skin disinfectant compositions. Farbenfabriken

Bayer, A.G. 906,870.

Nitration of fatty acids and their derivatives. Armour & Co. 906,868.

Preparation of microbial insecticide.
Corporation, 907,030,

Thiophosphoric acid esters. Farbenfabriken Bayer, A.G. 906,982,

Organic compounds, R. N. Haszeldine, 906,825. British patent specifications relating to the above will be obtainable (price 4s, 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, Irom September 26.

TRADE MARKS

APPLICATIONS ADVERTISED

BEFORE REGISTRATION
From the "Trade Marks Journal," July 25

For preparations for waving and setting the hair

NICHOL TENDAWAVE, 819,325, by Nichol Beauty Products, Ltd., London, W.1.

For preparations for conditioning, setting, shampooing, colouring, tinting and permanently waving the hair (3)

LINC, B829,412, by Lincoln Hair Products, Ltd., London, W.5.

For perfumes, cosmetics and non-medicated toilet

POSSESSION, 830,454, by Parfums Corday, Inc., New York, U.S.A.

For cleaning preparations having disinfecting and deodorising properties (3)

PINEXO, 831,260, by Dumas Milner International, Inc., Panama, Republic of Panama, For detergents (none being for use in industrial

or manufacturing processes) (3) BLUSYL, 832,807, by W. C. Evans & Co. (Eccles), Ltd., Eccles, Manchester.

For cleaning, polishing and scouring preparations, detergents (not for use in industrial or manufac-turing processes), and preparations in the nature shampoos for imparting a gloss to the coats of animals (3) and for all goods, but not including sanitary clothing (5)

PEGASUS, 827,099-100, by Walter Gregory & Co., Ltd., Wellington, Somerset.

For pharmaceutical, veterinary and sanitary preparations and substances (5)

BACTISUBTIL, 831,418, by Paladon, Saint-Eugene, Algeria.

For fungicides (5)

BURCOP, 832,311, by McKechnic Brothers, Ltd., Widnes, Lanes.

For cotton wool, bandages and gauze; and tissues consisting of cotton wool and gauze; all being for medical or surgical purposes (5)

FAIRLIE, 786,002, by Johnson & Johnson (Gt.

Britain), Ltd., Slough, Bucks.

For pharmaceutical and veterinary substances (5) Device including words EXULTATION OF FLOWERS, 817,177, by Elizabeth Bellhouse and Alick McInnes, Auldearn, Nairn, Scotland, For pharmaceutical preparations and substances being antimycotics (5)

MYXALE, 824,496, by Basoderm Dermatologische und Pharmazeutische Spezialpräparate, G.m.b.H., Biberach-on-the-Riss, Germany, For all goods (5)

FEVOKINE, 828,464, by the Wellcome Foundation, Ltd., London, N.W.1. NEODA-LIT, 833,473, by Dr. A. Wander, S.A., Berne, Switzerland.

For sanitary substances in the form of crystals, for use in litter trays of domestic animals (5) PETLITA, B831,952, by Pettex, Ltd., Ilford,

For pharmaceutical preparations in tablet and

capsule form, all containing iron (5)

IRON CAPSOIDS, 832,474, by British Chemo-

theutic Products, Ltd., Bradford, Yorks, For electric, electronic and scientific apparatus and instruments; photographic and optical apparatus and instruments; and parts (9)

CAWKELL, B828,528, by Cawkell Research and Electronics, Ltd., London, W.5.

From the "Trade Marks Journal," August 1

For chemical products, for use in agriculture, horticulture and forestry; manures (natural and artificial); seed dressings (1)

PREFIX, 826,593, by Shell International Petroleum Co., Ltd., London, E.C.3.

For chemical substances containing phosphoro-

thioate, for use in agriculture (1)
NEMAFOS, 827,018, by American Cyanamid Co., New York, U.S.A.

For sensitised paper and photographic paper (1)
Device with words THERMO-COPIES, LTD.,
829,223, by Thermo-Copies, Ltd., London,

For wax polishing and wax cleaning preparations, all for sale in the United Kingdom and for export to the Irish Republic (3)

PAD1WAX, B827,052, by Chiswick Products, Ltd., London, W.4.

CONTEMPORARY **THEMES**

Subjects of contributions in current medical and technical periodicals

IDENTIFICATION of a metabolite of the antituber-

culous drug cthionamide, Nature, August 4, INACTIVATION OF STAPHYLOCOCCAL PENICILLINASE by reaction with resistant penicillins, Nature,

6-MERCAPTOPURINE. Effect of, on carbohydrate metabolism of human cancer cells. Nature, August 4.

in human dentine, Nature, TETRACYCLINES August 4.

TRANSMISSIBLE DRUG-RESISTANCE FACTORS formation of multiple resistance. Nature, August 4.

ORAL PROLONGED-ACTION MEDICATION, J. Amer. med. Ass., July 14.

THOSE DECEPTIVE CONTRACEPTIVES, J. Amer. med. Ass., July 14.

NEWER DRUGS in mental illness, J. Amer. med. Ass., July 14.

MEASLES VIRUS VACCINE and immune globulin. J. Amer. med. Ass., July 14.

Diaveridine and sulphaquinoxaline. A mixture

of, as a coccidiostat for poultry. Vet. Rec.,

METHYRIDINE in the control of intestinal capillariasis in birds, Vet. Rec., August 4.
Trypsin in ointment bases, Stabilization of.

J. pharm. Sciences, July.

COMING EVENTS

Wednesday, August 22

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Hopwood golf club. Invitation meeting.

COMMERCIAL TELEVISION

Figures in these columns represent number of appearances of the product during the week.

u pu

August 26 to September 1		Londor	Midlan	North	Scotlan	Wales	South	Z E	Anglia	Ulster	Westwa	Border	Gramp	Eireant	Chan,]
4711 cau de Cologne		3	3	_	_	_	3	_	_	_	_	_	_	_	_
Alka Seltzer		3	_	1	3	2	1		2	1	2	2	1	2	1
Andrews "liver salt"		3	2	3	2	2	1	1	7	2	4	3	2	_	_
Anadin		1	4	1	4	4		4	—	4	1	7	3		_
Arrid		4	4	4	4		—	_	_	_		_	_	_	_
Askit			_	_	14	_	_	_	_	7	_	7	_	1	
Aspro		_	_	_	—	_		_	_	2	_	_	_	1	—
Biskoids		1	3	2	1	_	_	_	$\overline{}$	—		_	_	_	_
Body Mist		4	1	1	1	2	2		_	_		_		_	$\overline{}$
Bristow's shampoos		4	2	2	2	1	3	1	2	_	_	2	2	_	_
Brylcreem		3	3	6	3	1	4	2	5	3	2	2	—	_	
Carter's little liver pills		4	4	4		6	3	4	_	—	_			_	_
Chandau hair spray and lacquer		_	1	_				_	_			_			
Cooper's acrosols		2	1	1	3	2	3	_	1	1	1		4	_	_
Cuticura		2	2	_		1	_	_	_	_			_	—	_
Daxaids		_	_		_	3	_		_	_	_			_	_
Delsey		2	1	2	3	3	3	_	3	2	4	4	4		
Delrosa		_	2	1	1	1	_	- 1		1	_	_	_	_	
Dentu-creme			_	_	_	_	2	_	_	_	_	_		_	_
Dispel		_	_		10	_	_			_	_	_		_	
Eno's Fruit Salt		3	3	3	4	3	3	_	3	3				_	_
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Flit aerosols		1	î	î	î	î	î	1	1	_	_	_	_	_	_
Goddard's cream and embrocation		î	2	_	_	_	_	_	_	_		_	_	_	_
Hedex		_	_			_	3	1	_	_					_
Ilford photographic products		_	_	_					_		_	_	5	_	_
Immac	• •	_		2	1	_	1	_	_	_	_		_	_	_
Vloopey			_	1	3	2	2	2	2	3	3	2	2	_	
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Radox	• •	_	_	_	_	_	_		_	2	_	_		1	_
Rennies	• •	_	_	_		_	_			2	_	_			_
Rinstead pastilles	• •	_	_	_	_	_	_	_		_	1	1	_	_	_
Sebbix		3	3	3	2	3		2	_	_	_	_	_	_	_
Sek	• •	1	_	_	_	_	_	_		_	_			_	_
Silvikrin shampoo		1	3	2	2	3	4	1	4	2	3	3	1	_	_
VO-5 conditioner	• •	_	2	2	I	—	_	_	_	_	_	_	_	_	_
Get Set		3	_	2	2	_	_	—	_	_	_	_	—	—	_
hair spray		2	1	3	2	-	_	_	_	_	_	_	_	_	_
Voscne	• •	2	_	2	1	2	2	1	3	1	1	1	1	_	_



Deep bowl with ribbed handles and scalloped base, made from 'Alkathene' by Shaw Regent Ltd., 83 Denzil Road, Willesden, London, N.W.10.

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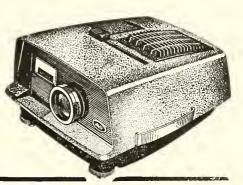
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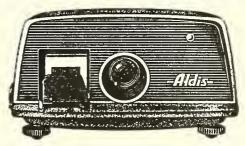


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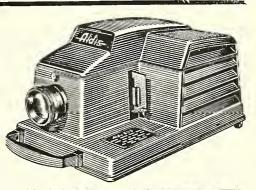
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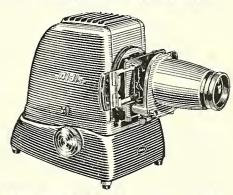
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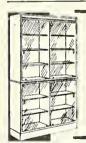
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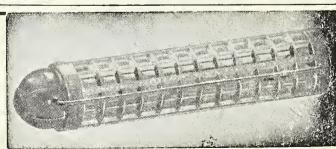
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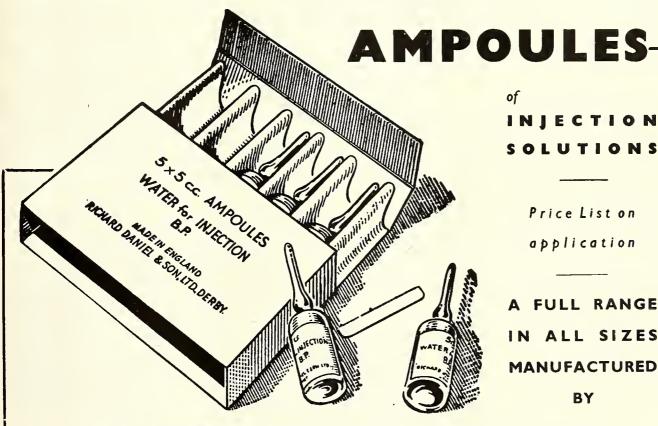
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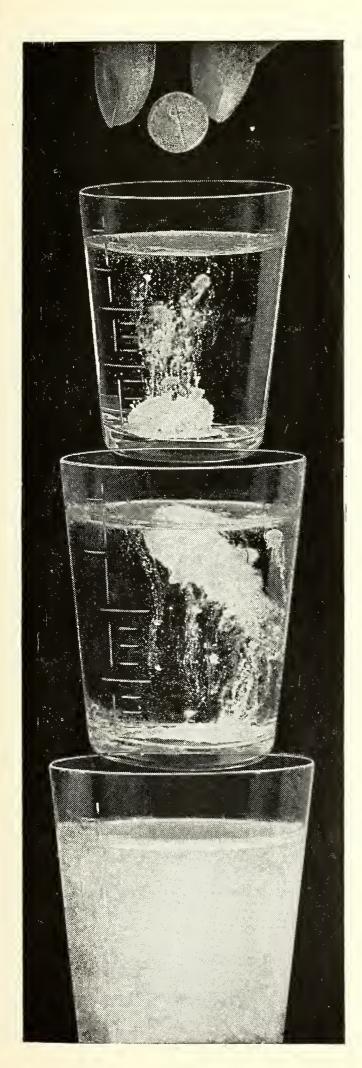
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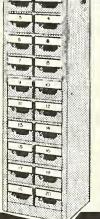
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Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 178

August 18, 1962

No. 4305

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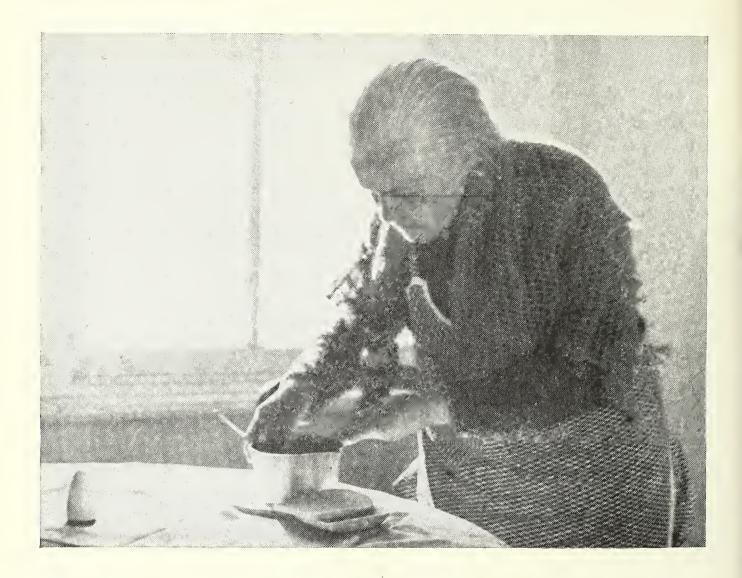
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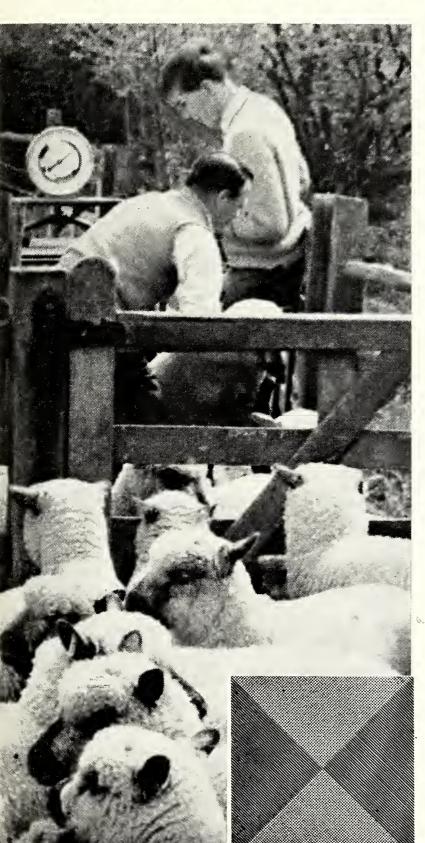


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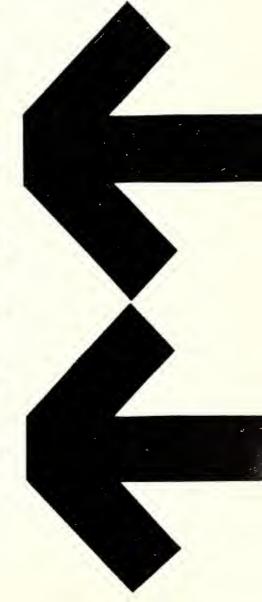
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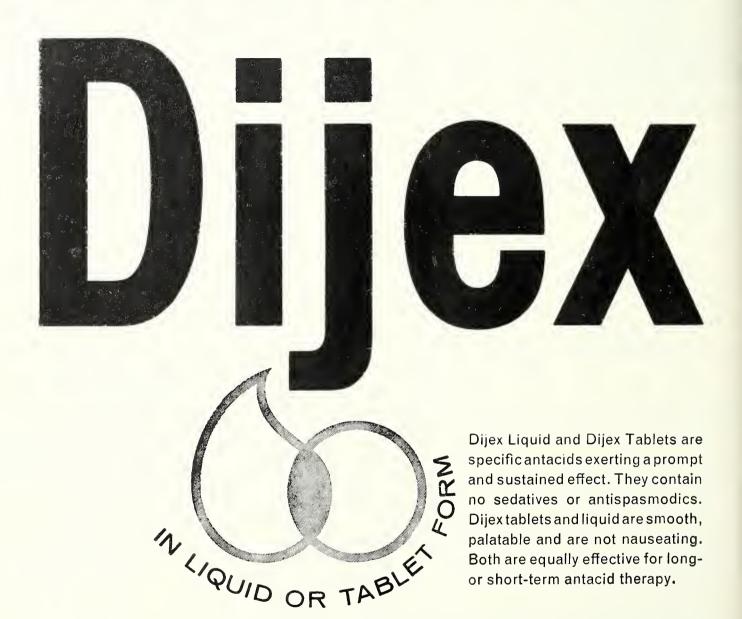
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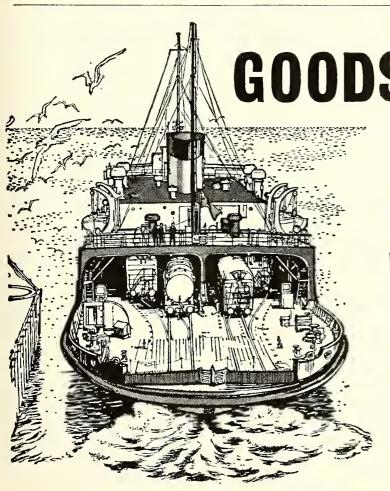


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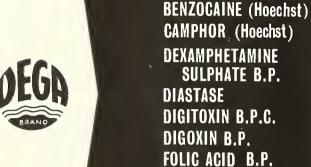
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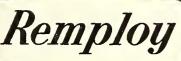


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SUPERIOR FREEHOLD new 3-4 bed property within sight of sea, Planning permission, built, and ripe for development by chemist, land to expand, Weymouth suburb, population approx, 4,000, with doctor's residence and surgery; nearest chemist 3 miles, S. A. Ryali, 2 Gill Lane, Preston, Weymouth, Dorsct. C 4714

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Pharmacist

required in this modern and well-equipped pharmacy (Category V Hospital). Whitley Council scale with London Weighting, Applications to Hospital Secretary with names of two referces.

BRENTWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

required to work within Group under direction of Group Pharmacist, Hospitals pleasantly situated within 30 minutes of London by frequent electric train service. Salary scale £690 to £920 p.a. Apply giving names of two referees to Group Pharmacist, Harold Wood Hospital, Harold Wood, Essex. (Tel.: Ingrebourne 45533).

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for Bethnal Green Hospital, Modern department, Salary scale £700—£1,010 p.a. plus higher qualification allowance and London Weighting. Please apply to the Group Secretary, 213 Kingsland Road, London, E.2.

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Storekeeper

Storckeeper required. Previous pharmaceutical experience desirable as person appointed will be responsible for large Group Stores of drugs, dressings, surgical instruments, medical gases, etc., Basic wage £11 3s, 8d, per 42-hour week. Protective clothing provided, Canteen facilities available, Application form obtainable from Hospital Secretary. C 7628

FOREST GATE HOSPITAL, FOREST LANE, E.7

Chief Pharmacist (Category 11)

required from mid-September. Salary scale £895—£1,200 per annum, plus London Weighting. Applications with full details and names of two referees to the Group Secretary, West Ham Group H.M.C., Stratford,

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist

required at the above hospital until September 22nd. Modern new department. Every third Saturday off, Salary £18 18s, per week. Applications to the Chief Pharmacist (STE. 4251).

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Pharmacist
required at the above hospital, Good general experience in modern new department, Every third Saturday off, Salary and conditions of service in accordance with Whitley Council agreements, Applications in writing stating age, experience and qualifications, together with the names of two referees, to the Chief Pharmacist C 7583 Pharmacist.

NEWMARKET GENERAL HOSPITAL

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for Department in newly built accommoda-tion, Post now vacant. Alternate long

Ideal working conditions,

weekends.

Preference to applicants with hospital experience.

Salary in accordance with Whitley Council Scales.

Applications to Chief Pharmacist, Newmarket General Hospital, Newmarket.

C 7629

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Applications are invited for the post of Senior Pharmacist in the Manufacturing Department at this hospital, offering opportunities for investigational work in formulation. Salary in accordance with Whitley Council Scale with extra pay for evening clinics. Applications, with names of two referees, should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1.

C 7585

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Locum Pharmacist

required, Apply to Secretary (Tel.: WATerloo 4477). C 7627

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Senior Pharmacist

Applications are invited for the post of Senior Pharmacist in a modern department at Shenley Hospital, near St. Albans, Herts. The appointment is subject to the N.H.S. Superannuation regulations and the Pharmaceutical Whitley Council conditions of service and salary (£770—£1,010 p.a., 5 per cent. increase pending, plus London Weighting). A modern house will be available on the Hospital estate for a married man, at a moderate rent, Accommodation available for a single woman. Hourly coach service to London. London

Applications, stating age, qualifications and previous experience, with the names of two referees, to be sent to the Medical Superin-

ST. HELIER GROUP HOSPITAL MANAGEMENT **COMMITTEE**

Deputy Chief Pharmacist

Applications arc invited for the post of Deputy Chief Pharmacist (Category V) at St. Deputy Chief Pharmacist (Category V) at St. Helier Hospital, Carshalton, Surrey. This Hospital also deals with the requirements of a number of subsidiary hospitals. The post becomes vacant in September and is subject to the Whitley scale of salaries plus London Weighting. Further particulars may be obtained from the Group Pharmacist at St. Helier Hospital. Apply to the Group Secretary giving names of two referces.

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, MILE END HOSPITAL, BANCROFT ROAD, LONDON, E.1

Deputy Chief Pharmacist

Applications are invited for the post of Deputy Chief Pharmacist (Category 1V) at Mile End Hospital. Whitley Council conditions of service, Further particulars may be obtained from the Chief Pharmacist, Applications stating age, qualifications, experience and the names of two referees, to be sent to the Group Secretary at the above address.

C 7598

Appointments—Continued

THE LONDON HOSPITAL, WHITECHAPEL, E.1

Locum Pharmacist
required immediately. Salary £18 18s, per
week, Applications to House Governor. C 590

THREE COUNTIES HOSPITAL,
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C 576

WALSALL HOSPITAL

WALSALL HOSPITAL
MANAGEMENT COMMITTEE
Senior Pharmacist or Pharmacist
required for duties at the Manor Hospital and
Group Pharmaceutical Laboratory in charge
of a section, This post offers excellent experience in all aspects of hospital pharmacy,
Salary and conditions in accordance with
Whitley Council scales, Applications, with
names of two referees, to Group Secretary,
General (Sister Dora) Hospital, Walsall,
Staffs, C 7630

WALTON HOSPITAL,

WALTON HOSPITAL,
LIVERPOOL, 9
Pharmacist or Senior Pharmacist
Applications are invited for the post of
Pharmacist or Senior Pharmacist dependent
upon length of experience, Salary scales:
Senior Pharmacist £770—£1,010 per annum,
Pharmacist £690—£920 per annum, Apply in
writing to Secretary, Walton Hospital, Liverpool, 9, giving details of qualifications, experience, age and names of two referees.
Closing date 5th September. C 7617

OVERSEAS

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Salary within the range of £A1,590—£A1,850
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Applications giving full details of training, qualifications and experience, together with two passport photographs, should be forwarded to Dr. C. Ellingworth, M.B., B.S. (Melb.), U.K. Selection Officer, c/o Agent General for Victoria, Victoria House, Welbourne Place, Strand, London, W.C.2.

C 4716

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C 7620

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For one post, we need a man with 2-3 years' experience in product development work. For the other, we would consider a newly qualified graduate or a candidate with experience in other branches of pharmacy. For both, we require men with ambition, enthusiasm and ability.

We are a young but vigorous pharmaceutical Company, internationally known and respected. Our products are household names. We offer a good salary, excellent employment conditions in our very modern production plant, Superannuation and Life Assurance, plus the usual big Company benefits, If you welcome the chance to join a "live" organisation where intelligence and ability are recognised and suitably rewarded, why not write with full details and in strictest confidence to:—

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C 7624

Situations Vacant—Continued



Burroughs Wellcome & Co. invite applications from pharmacists for posts in their Pharmaceutical Production and Packaging Departments, at the Wellcome Chemical Works, Dartford. The posts afford a good opportunity for recently qualified pharmacists wishing to enter industry. The salary paid will be in accordance with qualifications and experience.

Applications should be sent to the Personnel Manager, Wellcome Chemical Works, Dartford, Kent.

C 7623

SALES EXECUTIVE, An opportunity occurs in a well-established British wholesale and manufacturing chemists situated in the Northwest for a pharmacist or one with a pharmaceutical background as assistant sales manager, Graduateship of ISMA or a full knowledge of modern marketing methods is essentiated to be a support of the control of t ledge of modern marketing methods is essential as the position offered requires ability in both sales office routine and field work. Good salary, pension scheme and excellent prospects for the right person with the keenness and enthusiasm to succeed in this interesting appointment, HSD, Box C 4713.

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EXPERIENCED DISPENSING ASSISTANT, male, residing North London, available for responsible position, wholesale, retail, Interview. Replies acknowledged. Moderate salary. Hours arranged. Box C 4724.

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The Staff Manager,

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C 7590

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Vacancies are available in the U.K. and Eire for a training course starting in the near future.

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Director of Promotion,
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Wythenshawe, Manchester, 23

C 7558

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Tenders are invited for the supply of the following supplies and articles to various Child Welfare Centres, Day Nurseries, School Clinics, Dental Clinics, Ambulance Stations and other premises within the County for a period of twelve months commencing 1st November, 1962:—

Medical and Sundry Supplies
Surgical Appliances and Instruments
Nursing Equipment and Appliances, including Commodes and
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Dental Consumable Stores and In-

Dental Consumable Stores and Instruments Vaccines

Further particulars, and Forms of Tender and Conditions of Contract, may be obtained from the County Medical Officer, Shire Hall, Nottingham, Completed tenders, in the envelopes to be supplied, should be received by me not later than 10 a.m. on Friday, 7th September, 1962.

A. R. DAVIS, Clerk of the County Council, C 7618 You
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CEN 6565
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to space available.

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